CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
May 6	Norfolk, Va.	May 4
May 8	St. Paul, Minn.	Apr. 13
May 8	Ft. Bragg, Cal.	Apr. 13
May 8	Gray, Ia.	May 4
May 8	Bellaire, O.	May 4
May 9	Wabasso, Minn.	Apr. 20
May 9	Kinston, N. C.	May 4
May 9	Detroit, Mich.	May 4
May 9	St. Cloud, Minn.	May 4
May 10	Farmington, Mich.	Apr. 27
May 12	Cedar Rapids, Minn.	May 4
May 12	Long Island City, N. Y.	May 4
May 12	New York, N. Y.	May 4
May 12	North Bennington, Vt.	May 4
May 13	Seaside Park, N. J. Adv. May 4.	May 4
May 15	Euclid, O.	Apr. 20
May 15	New Britain, Conn. Adv. May 4.	May 4
May 15	Phillipsburg, Kan.	May 4
May 16	Galva, Ill. Adv. Apr. 27 and May 4.	Apr. 27
May 16	Oklahoma City, Okla.	May 4
May 16	Paris, Tex. Adv. May 4.	May 4
May 17	Culbertson, Neb.	May 4
May 17	Sayreville, N. J.	Apr. 20
May 17	Hammond, Ind.	Apr. 20
May 20	Norwich, Vt.	Apr. 27
May 25	Henryetta, Okla. Adv. May 4.	May 4

SEWERS

May 8	Croton-on-Hudson, N. Y.	May 4
May 9	Memphis, Tenn.	Apr. 27
May 9	Paterson, N. J.	Apr. 27
May 9	Springwells, Mich.	Apr. 13
May 9	River Rouge, Mich.	May 4
May 9	Wabasso, Minn.	May 4
May 10	La Crosse, Wis.	May 4
May 12	Fond du Lac, Wis.	May 4
May 15	Euclid, O.	Apr. 20
May 15	Albany, Ga. Adv. May 4.	May 4
May 15	Lebanon, Pa. Adv. May 4.	May 4
May 16	Jacksonville, Fla.	May 4
May 16	Grand Island, Neb.	May 4
May 16	Canandaigua, N. Y. Adv. May 4.	May 4
May 17	Sayreville, N. J.	Apr. 20
May 18	Potomac, Va. Adv. May 4.	May 4
May 19	Butler, N. J. Adv. May 4.	May 4
May 19	Wash., D. C.	May 4
May 20	Doylestown, Pa. Adv. May 4.	May 4
May 22	Hamilton, Ont. Adv. May 4.	May 4
June 1	Lima, O.	Apr. 13

WASTE DISPOSAL

May 15	Elmhurst, Ill. Adv. May 4.	May 4

BRIDGES

May 8	Boonville, Mo.	Apr. 27
May 8	Erie, Kan.	May 4
May 9	Wisconsin	May 4
May 10	Harrisburg, Pa.	Apr. 27
May 10	Converse, S. C.	Apr. 13
May 11	South Carolina	Apr. 13
May 11	Wisconsin	May 4
May 12	Missouri	May 4
May 15	West Palm Beach, Fla. Adv. May 4.	May 4
May 15	Riverside, Cal.	May 4
May 16	Port Arthur, Tex.	Apr. 20
May 16	Toronto, Ont.	Apr. 27
May 17	Baltimore, Md.	Apr. 27
May 17	South Carolina	Apr. 13
May 19	New Jersey Adv. May 4.	May 4
May 25	North Carolina	May 4
May 31	Phila., Pa. Adv. May 4.	May 4
June 1	Washington	May 4
Oct. 31	Sydney, Australia	Jan. 12

DAMS

May 12	Highland Park (Joliet P. O.), Ill.	Mar. 30
May 20	Southington, Conn. Adv. May 4.	May 4
May 23	Stamford, Conn. Adv. May 4.	May 4

EXCAVATION AND DREDGING

May 10	Eudora, Ark.	Apr. 6
May 17	Crookston, Minn.	May 4
May 22	Greenville, Miss.	Apr. 20
May 29	Fayette, Ala. Adv. Apr. 27 and May 4.	Apr. 27

STREETS AND ROADS

May 8	Fredericksburg, Tex.	Apr. 27
May 8	Elkin, N. C.	Apr. 27
May 8	Richmond, Va. Adv. Apr. 27 and May 4.	Apr. 27
May 8	Camden, N. J.	Apr. 27
May 8	Trinidad, Col.	Apr. 20
May 8	South Carolina	Apr. 20
May 8	Madison, N. J. Adv. May 4.	May 4
May 8	Chatham, Ont.	May 4
May 8	Edgewood (Pittsburgh P. O.), Pa.	May 4
May 8	St. Paul, Minn.	May 4
May 9	Ohio	Apr. 27
May 9	Maryland Adv. Apr. 27 and May 4.	Apr. 27
May 9	Louisiana	Apr. 27
May 9	Bennington, Vt. Adv. Apr. 27 and May 4.	Apr. 27
May 9	Kendallville, Ind.	Apr. 27
May 9	Radford, Va. Adv. Apr. 27 and May 4.	Apr. 27
May 9	McKinney, Tex.	Apr. 27
May 9	South Carolina	Apr. 20
May 9	Woodbury, N. J.	Apr. 20
May 9	Columbus, O.	May 4
May 9	Durham, N. C.	May 4
May 9	Glenwood, Minn.	May 4
May 9	Wisconsin	May 4
May 10	Troy, N. Y. Adv. Apr. 20 to May 4.	Apr. 20
May 10	Newmarket, Ont.	Apr. 27
May 10	Denver, Col.	Apr. 27
May 10	Mays Landing, N. J. Adv. Apr. 27 and May 4.	Apr. 27
May 10	Michigan	Apr. 27
May 10	Baltimore, Md.	Apr. 27
May 10	Logan, W. Va.	May 4
May 10	Columbus, O.	May 4
May 10	Cleveland, O.	May 4
May 10	St. George, N. Y.	May 4
May 10	Brooklyn, N. Y.	May 4
May 10	Union City, Pa.	May 4
May 11	Santa Cruz, Cal.	May 4
May 11	Michigan	May 4
May 11	Michigan	Apr. 27
May 11	Ontario	Apr. 27
May 11	Fulton, N. Y. Adv. Apr. 27 and May 4.	Apr. 27
May 11	South Carolina	Apr. 20
May 11	Honolulu, Hawaii	Apr. 20
May 11	Oregon, Ill.	May 4
May 11	Wisconsin	May 4
May 11	Union Hill, N. J.	May 4
May 12	Brooklyn, N. Y.	May 4
May 12	Greenfield, Ont.	May 4
May 12	Deer Wood, Minn.	Apr. 27
May 12	South Carolina	Apr. 20
May 12	Missouri	May 4
May 12	Akron, O.	May 4
May 12	Gainesville, Fla.	May 4
May 12	Quebec	May 4
May 13	Lincoln, Neb.	May 4
May 13	Muncie, Ind.	May 4
May 13	Columbus, O.	May 4
May 15	Charlottesville, Va.	May 4
May 15	Ebensburg, Pa.	May 4
May 15	St. Petersburg, Fla.	Apr. 27
May 15	Euclid, O.	Apr. 20
May 15	St. Paul, Minn.	Apr. 20
May 15	Troy, N. C.	May 4
May 15	Glen Cove Springs, Fla.	May 4
May 15	California	May 4
May 15	Merced, Cal.	May 4
May 15	Watertown, Wis.	May 4
May 15	Patton, Pa.	May 4
May 15	Terre Haute, Ind.	May 4
May 16	Lakewood, N. J. Adv. Apr. 27 and May 4.	Apr. 27
May 16	Alabama	Apr. 27
May 16	South Carolina	Apr. 13
May 16	Lakewood, N. J. Adv. Apr. 20 to May 4.	Apr. 20
May 16	Washington	Apr. 20
May 16	Pawling, N. Y. Adv. May 4.	May 4
May 16	South Nyack, N. Y. Adv. April 27 and May 4.	May 4
May 16	Michigan	May 4
May 16	Maryland Adv. May 4.	May 4
May 16	Ft. Wayne, Ind.	May 4
May 16	Crookston, Minn.	May 4
May 16	Minneapolis, Minn.	May 4
May 16	Yakima, Wash.	May 4
May 17	Michigan	May 4
May 17	Columbus, O.	May 4
May 17	Hope, Ark. Adv. May 4.	May 4
May 18	South Carolina	Apr. 20
May 18	Ocala, Fla. Adv. Apr. 27 and May 4.	Apr. 27
May 18	Towson, Md. Adv. May 4.	May 4
May 18	Michigan	May 4
May 19	Middletown, N. Y. Adv. May 4.	May 4
May 22	Trinidad, Col.	Apr. 20
May 22	Oil City, Pa. Adv. May 4.	May 4
May 22	California	May 4
May 23	Omaha, Neb.	May 4
May 25	St. Augustine, Fla. Adv. Apr. 20 to May 4.	Apr. 20
May 26	Columbus, O.	May 4
May 31	Manchula, Fla.	Apr. 13
June 7	Ft. Myers, Fla.	Apr. 27

INDUSTRIAL WORK

May 8	Beach Haven, N. J.	Apr. 27
May 15	San Leandro, Cal.	May 4
May 18	Morgantown, N. C.	May 4
May 23	New York, N. Y. Adv. Apr. 27 and May 4.	Apr. 27

BUILDINGS

Bids Close		See Eng. News-Record
May 8	Mexia, Tex.	Apr. 20
May 8	Palmer, Mass.	May 4
May 8	Maxwell, Pa.	May 4
May 9	Greensburg, Pa.	May 4
May 9	Muncie, Ind.	Apr. 27
May 9	Mansfield, O.	May 4
May 10	Johnstown, Pa.	Apr. 27
May 12	Dayton, O.	Apr. 27
May 12	Laconia, N. H.	Apr. 27
May 12	Stockton, Cal.	May 4
May 12	Coshocton, O.	May 4
May 13	Davenport, Ia.	May 4
May 15	Grand Rapids, Mich.	May 4
May 15	Virginia, Minn.	Apr. 20
May 15	Harrisburg, Pa.	Apr. 27
May 15	Cleveland, O.	May 4
May 15	New Haven, Mich.	May 4
May 15	Milwaukee, Wis.	May 4
May 16	Glenolden, Pa.	Apr. 27
May 16	Steamboat Springs, Col.	May 4
May 17	Cincinnati, O.	May 4
May 17	Portland, Me.	May 4
May 18	Dayton, O.	Apr. 27
May 18	Hackensack, N. J. Adv. May 4.	May 4
May 20	Durham, N. C.	Apr. 13
May 20	Batavia, N. Y.	Apr. 20
May 22	Erie, Pa.	May 4
May 22	Holland, Mich.	May 4
May 23	Clyde, O.	May 4
May 25	Columbus, O.	May 4
June 1	Jonesboro, Ark.	May 4
June 1	Scottsbluff, Neb.	May 4
June 2	New York, N. Y.	May 4
June 8	Winchester, Va. Adv. May 4.	May 4
July 1	Perry, N. Y.	May 4

FEDERAL GOVERNMENT WORK

May 8	Boiler House Addition, etc.—Hoffman Island, N. Y.	Apr. 20
May 8	Dredge Pump, etc.—New Orleans, La.	Apr. 20
May 9	Shaft, etc. — New Britain, Conn.	May 4
May 10	Piping—Bellevue, D. C.	Apr. 27
May 11	Buildings, etc.—Tobyhanna, Pa. Adv. Apr. 20 to May 4.	Apr. 27
May 11	Equipment—New Orleans, La. Adv. Apr. 27 and May 4.	Apr. 27
May 12	Plotting Room, etc. — Cape Henry, Va.	Apr. 13
May 15	Dredging—Phila., Pa.	Apr. 13
May 15	Removal of Wreck—Buffalo, N. Y. Adv. May 4.	May 4
May 16	Intake Pipe—Ft. H. G. Wright, N. Y.	May 4
May 16	Basement Passage — Wash., D. C.	May 4
May 16	Extension to Workroom — Wash., D. C.	May 4
May 16	Dredging—Chicago, Ill. Adv. Apr. 20 to May 4.	Apr. 20
May 16	Removal of Wreck—Norfolk, Va. Adv. May 4.	May 4
May 17	Boiler House, etc.—Rantoul, Ill.	Apr. 20
May 17	Partitions, etc. — Billings, Mont.	Apr. 27
May 18	Dredging—Phila., Pa.	Apr. 27
May 18	Mechanical Equipment—Gulfport, Miss.	May 4
May 22	Extension to Workroom, etc. —Jamestown, N. Y. Adv. May 4.	May 4
May 25	Quarters—Ft. Bliss, Tex. Adv. May 4.	May 4
May 25	Removal of Wreck—Montgomery, Ala. Adv. Apr. 27 and May 4.	May 4
May 29	Remodeling, etc.—Buffalo, N. Y. Adv. May 4.	May 4
May 31	Dwelling, etc.—Point Isabel, Tex. Adv. Apr. 27 and May 4.	May 4
June 6	Canals, etc.—Great Falls, Mont.	Apr. 27
June 7	Machine Shop—Pearl Harbor, H. T.	Apr. 13

MISCELLANEOUS

Bids Close		See Eng. News-Record
May 8	Granite Blocks, Road Oil, etc. —Montreal, Que.	May 4
May 9	Culverts, etc.—Long Branch, N. J. Adv. Apr. 27 and May 4.	Apr. 27
May 9	Portland Cement — Napa, Cal.	Apr. 27
May 9	Motor Flusher and Mixer—Ottawa, Ont.	May 4
May 10	Broken Stone, etc.—Brooklyn, N. Y.	May 4
May 11	Boardwalk—Rockaway Park (Far Rockaway P. O.), N. Y.	May 4
May 11	Sprinkling System—New Orleans, La.	Apr. 27
May 12	Marginal Wharf—Camden, N. J.	Apr. 27
May 12	Heating Work, etc.—Hudson, N. Y. Adv. May 4.	May 4
May 12	Conduit—Ottawa, Ont.	May 4
May 14	Docks and Approaches—Nova Scotia	May 4
May 15	Oil Engines, etc.—Elmhurst, Ill. Adv. May 4.	May 4
May 15	Track Materials, etc. — New York, N. Y.	May 4
May 16	Dike — Saulte Ste Marie, Mich. Adv. Apr. 13 to May 4.	Apr. 13
May 16	Cement—Turlock, Cal.	May 4
May 19	Grain Handling System — Portland, Me.	May 4
May 27	Race Track, etc.—Sedalia, Mo.	Apr. 13

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Me., Auburn—Soon takes bids main extension from Lake Auburn pumping station, 12,000 ton c.i. pipe. $50,000. A. W. P. Cobb, clk. water comn.

N. Y., Dunkirk—Bd. Water Comrs. plans hydro-electric water plant. $1,400,000.

N. J., Hawthorne—Plans extending water system. $20,000. H. J. Harder, 129 Market St., Paterson, engr.

N. C., Dallas—Takes bids about June 6, installing waterworks. $100,000. W. N. Piett, Durham, engr. Noted April 13.

In April

We published 156 *tips on new waterworks construction as follows:*

Proposed work	66
Bids desired	48
Bids received	11
Contracts awarded	31

Work increasing—get your share.

N. C., Davidson—Plans waterworks and sewerage system. $100,000. Mees & Mees, Charlotte, engrs.

N. C., Elkin—Plans extending waterworks, $18,000; sewers $5,000. A. Chatham, clk.

S. C., Greenville—Plan to vote on $300,000 bonds constructing waterworks system. W. L. Neves, Greenville, engr.

Okla., Thomas—Having surveys made pumping plant and wells. $50,000. H. G. Olmsted & Co., 415 Oil Exch. Bldg., Oklahoma City, engrs.

Okla., Vinta—Takes bids in May, pumping station on Grant River, 12 mi. pipe line, filtration plant and settling basins. $350,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs. Noted Jan. 26.

Ill., Schiller Park—Soon takes bids for waterworks. $35,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Wyo., Basin—May 9, to vote $60,000 bonds for additional settling basin, purification plant and power plant machinery. D. C. Loyer, clk.

N. M., Albuquerque—Had plans prepared 120 x 120 ft. sectional covered, rein.-con., reservoir, 2,500,000 gal. capacity, incl. 75 ton reinforcing, 4,000 ft. 8 in. c.i. pipe, 1,400 cu.yd. rein.-con., 50 cu.yd. excav., etc. $75,000 bonds voted. F. M. Kimball, city engr.

Ont., Forest—Having plans prepared pumphouse, water mains and fire protection system. $35,000. Prices wanted on mains, pumping equipment and all materials. F. A. Dallyn, Provincial Health Dept., Toronto, engr. Noted Jan. 12.

Ont., St. Catharines—Takes bids end of May for filtration plant. $28,000. Prices wanted on all materials. W. P. Near, City Hall, engr. Noted April 20.

BIDS DESIRED

Vt., North Bennington—May 12 by C. W. White, chn., water supply system and sanitary sewerage system, incl. dam and collecting pond, 327 cu.yd. concrete, 2,225,000 gal. distributing reservoir, 4,970 cu.yd. excav. and dam with core wall, 345 cu.yd. concrete; supply and distributing system, 50,600 ft. 4-12 in. c.i. pipe, 45 hydrants, 60 gate valves and boxes, etc.; sewerage system, 19,210 ft. 6-12 in. tile sewers, 70 manholes. H. P. Jones, city engr.

Conn., New Britain—May 15, by Bd. Water Comrs., Room 201, City Hall, concrete caisson well, pump station, etc. Hazen, Whipple & Fuller, 30 East 42nd St., New York, engrs.; adv. this issue.

N. Y., Long Island City—May 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Hancock St., 5th and 7th Aves., 1st Ward; Ridge Rd., Van Wycks Lane, 7th, 42nd, 58th and 61st Aves., 17th, 23rd, 137th, 161st., 165th, 195th, Ferncliff and Grand Sts., 3rd Ward, here.

N. Y., New York—May 12, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Gun Hill Rd., Benedict, Continental, Furman, Hobart, Morris Park, Wilder and Wilkinson Aves., East 195th, East 196th and East 197th Sts.

N. J., Seaside Park, N. J.—May 13, by Mayor and Boro. Council, 4th and West Central Aves., furnishing and laying c.i. pipe and special castings. A. Wilbert, boro clk.; adv. this issue.

Va., Norfolk—May 6 by W. H. Taylor, Dir. Pub. Wks., laying 4,150 lin.ft. 30 in. flexible joint submerged pipe across Elizabeth River from Craney Island to 38th St. extended, and constructing timber cradle for laying pipe. D. A. Decker, city engr. Noted April 20.

N. C., Kinston—May 9, by Mayor and Bd. Aldermen, furnishing pumping equipment, 405 ton 10 in. c.i. Class B bell and spigot pipe, special castings, laying c.i. pipe and drilling 1 or more wells. W. C. Olsen, Kinston, engr.

Fla., Tampa—J. P. Hamilton, Hamilton Heath, receiving bids 15,000 gal. centrifugal pump, 15 h.p. electric motor, 50,000 gal. tank, 100 ft. tower and 16,000 ft. 6 in. c.i. pipe. $30,000.

O., Bellaire—May 8, at office of G. T. Kreglow, dir. Pub. Serv. furnishing and installing 1 steam or electric driven centrifugal pump and 1 steam or electric driven vertical type centrifugal pump, both 6,000,000 gal. daily capacity.

Mich., Detroit—May 9, by Water Bd., 1 story, 250 x 375 ft., brick and steel superstructure for filter house, plain foundation. Water Works Park. $200,000. T. A. Leisen, Water Works Park, engr.

Ia., Cedar Rapids—May 12, by L. J. Story, clk., concrete covered reservoir, 7,500,000 gal. capacity. H. F. Blomquist, supt. waterworks. Noted Dec. 22.

Ia., Gray—May 8, for mains, 30,000 gal. steel tank on 80 ft. tower, pumping machinery, 8 in. well, etc. $25,000. W. E. Buell & Co., Davidson Bldg., Sioux City, engrs. Noted April 27.

Waterworks (Continued)

Minn., St. Cloud—May 9, water main extensions. Impvt. 476, 1,806 ft. 6 in., 7,300 ft. 8 in., Class C, c.i. pipe etc. $20,000. M. B. Lang, city engr.

Kan., Phillipsburg—May 15 by W. N. McIlvain, city clk., furnishing and laying 2 mi. 6 in. c.i. pipe, installing and constructing pump house, pump and engines complete. G. P. Taylor, Junction City, engr.

Neb., Culbertson—May 17, by W. J. Mohr, clk., furnishing and installing pipe line, pump machinery and reconstructing old well, 5,448 ft. 4 in. and 1,100 ft. 6 in. c.i. pipe, etc. $15,000. Hershey & Merrick, Brownell Blk., Lincoln, engrs. Noted March 16.

Tex., Paris—May 16, by J. M. Crook, Mayor and City Council, dam, pumping and filtration plant, etc. W. G. George, city secy.; adv. this issue.

Okla., Henryetta—May 25, by E. Gibbs, clk., extending waterworks, sanitary and storm sewers, and constructing sewage disposal plant. Berman & Wilson, Henryetta, engrs.; adv. this issue.

Okla., Oklahoma City—May 16, laying 926 ft. 6 in., 10,864 ft. 10 in., 6,052 ft. 12 in., 6,612 ft. 16 in., 2,532 ft. 18 in., 1,534 ft. 24 in. and 10,346 ft. 30 in. c.i. mains. A. S. Holway, supt.

BIDS RECEIVED

Vt., Bennington—Bd. Water Comrs., 19,500 ft. 10 in. Class B c.i. pipe, from R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $1.50 per ft. B and S pipe; U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $47.50 per ton B and S pipe; Central Fdry. Co., 105 Cummings St., Roxbury, Mass., $1.58 per ft. Universal pipe. Noted April 13.

Ga., Atlanta—Opened bids April 28, from U. S. Cast Iron Pipe & Fdry. Co., Amer. Trust Bldg., Birmingham, Ala., 60 ton 60 in. Class A Bell and Spigot pipe, $37.40 per ton, 5,100 ton Class B 48 in. pipe $34.40, specials $100, all f.o.b. Atlanta; Natl. Tube Co., Chandler Bldg., 12,900 ft. of 48 in. pipe, ⅝ in. thickness, $10.71 and $12.15 per ft. respectively; East Jersey Pipe Co., 5 Dey St., New York, 12,900 ft. 48 in. pipe, ⅝ in. thickness, $9.65 per ft., f.o.b. Atlanta; Lock Joint Concrete Pipe Co., Ampere, N. J., 3,600 lin.ft. 48 in. concrete pipe, 300 ft. head, $13.75 lin.ft., 9,100 lin.ft. 48 in. 200 ft. head, $12.50, f.o.b. Atlanta, hauling, trenching, laying and backfilling 12,900 lin.ft. $3.10 per ft.; Rensselaer Valve Co., Ontario St., Troy, N. Y., 48 in double gate, high pressure, gate valves $2,015 each, 48 in. check valves $2,150 each, 24 in. high pressure gate valves $335 each, 16 in. $143 each, 12 in. $65.50 each, 8 in. $34.10 each.

Wis., Milwaukee—Opened bids April 21, (laying only), 54 in. c.i. pipe in Chambers St. from 9th to 29th Sts. and in 29th St. from Chambers to Burleigh Sts., from W. T. Werner, 675 Hi Mount Blvd., $7.72 per ft., H. Hohensee, Wauwatosa, $8.34, Mid West Constr. Co., 209 Grand Ave., $8.50; laying 54 in. steel pipe in above streets, from T. A. Gillespie Co., 7 Dey St., New York, $10.68; 54 in. wood pipe same streets, Wenzel & Henoch, 498 27th St., $11.33 per ft.; 36 in. c.i. pipe in 29th St. from Chambers to Meinecke Ave., from L. J. Stevenson, 1720 Cedar St., $4.27, Mid West Constr. Co., 209 Grand Ave., $4.50, H. Hohensee, Wauwatosa, $4.92; laying 36 in. steel pipe in above streets, from T. A. Gillespie Co., 7 Dey St., New York, $8.98; laying 26 in. wood pipe in same streets, from L. J. Stevenson, 1720 Cedar St., $4.04, Wenzel & Henoch, 498 27th St., $7.19; cast iron pipe (a) straight, (b) lugged, (c) special castings, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, (a) $40.86 per ton, (b) $60.86, (c) $118, J. B. Clow & Sons Co., 544 Franklin St., Chicago, (a) $44.80, (b)$64.80, (c) $140, Bowler Fdry. Co., 1688 Columbus Rd., Cleveland, O., (c) $104.50; steel pipe (a) 54 in., (b) 36 in., from T. A. Gillespie Co., 7 Dey St., New York, (a) $166,755, (b) $40,788. Noted April 6.

Minn., St. Paul—For (1) 41,232 lb. structural steel, (2) 147,180 lb. iron castings, (3) 117,860 lb. miscellaneous steel and iron, from St. Paul Fdry. Co., Como Ave. and Mackubin St., (1) $1,441, (2) $6,131, (3) $4,895; St. Paul Structural Steel Co., York and Agate Sts., (1) $1,666, (3) $4,005; Valley Iron Wks., 85 East Water St., (2) $4,990; South Park Fdry. & Mchy. Co., 22 East 6th St., (2) $6,182, (3) $5,326. Noted April 20.

Minn., St. Paul—For (1) 22.67 ton reinforced rods, (2a) 343 lin.ft. 4 in. and (2b) 1,181 ft. 3 in. galvanized iron pipe, for Water Dept., from Speers-Jevne, 832 Builders Exch., Minneapolis, (1) $1,017; C. A. P. Turner Co., 627 1st Ave., Minneapolis, (1) $1,048; Corrugated Bar Co., Inc., 710 Pioneer Bldg., (1) $1,147; Farwell, Ozum, Kirk & Co., 2nd and Jackson Sts., (2a) $208, (2b) $489; Amer. Supply Co., Inc., 44; Jackson S., (2a) and (2b) $725; Cochran-Sargent Co., Park Sq., (2a) $223, (2b) $554. Noted April 13.

CONTRACTS AWARDED

N. Y., Jamestown—Bd. Water & Light, to U. S. Cast Iron Pipe & Fdry. Co., 957 East Ferry St., Buffalo, hauling and laying 16,000 ft. 6 in. c.i. B and S pipe, $44.20 per ton, 1,400 ft. 4 in. c.i. B and S pipe, $48.20 per ton, 16,000 lb. fittings, 6 in. $.0525 per lb., 4 in. $.0575 per lb. Noted April 13.

N. J., Trenton—For 165 ton 6 in. and 55 ton 4 in. water pipe, to R. D. Wood, 400 Chestnut St., Phila., $43.20 and $47.20 per ton respectively.

N. C., Lexington—Constructing waterworks plant, (pumps and pipe line not included), to Tucker & Laxton Co., Reality Bldg., Charlotte, $96,000.

N. C., Albemarle—Improving waterworks system including dam, to Hardaway Contg. Co., Charlotte, $50,000. Noted March 23.

N. C., Raleigh—Constructing impounding reservoir, dam, etc., to Virginia Mchy. & Well Co., 1319 East Main St., Richmond, Va., $64,381; 600,000 gal. elevated steel tower and tank to R. D. Cole Mfg. Co., Newman, Ga., $21,568; furnishing 5,000 ft. 14-24 in. wood stave pipe to Standard Pipe Co., East Jefferson St., Williamsport, Pa., $8,433; laying pipe to Porter & Boyd, Realty Bldg., Charlotte, $5,746; concrete foundations for tank, to A. N. Holding, Raleigh, $4,900. Noted April 13.

N. C., Lumberton—Improving and extending waterworks and sewerage systems, to Tucker & Laxton, Realty Bldg., Charlotte, $87,000. Noted April 13.

O., Cleveland—For 20,000 ft. 6 in. steel mains in Ansel Rd. to Fairmount Reservoir, to P. F. Connelly, Kent, $510,607. Noted April 20.

O., Euclid—Mains in Dorsch Rd., to A. Marra, Ulmer Bldg., Cleveland, $17,184; Victory Dr., Wood and Neville Rds., to B. J. Whittaker, 343 The Arcade, Cleveland, $7,307. Noted April 27.

Wis., Milwaukee—For 54 in. valves, to Kennedy Valve Co., Elmira, N. Y., $2,071; 36 in. and 30 in. valves, to Nelson Valve Co., 650 West Lake St., Chicago, $995 and $533 respectively.

Minn., Duluth—Water and Light Dept., constructing Endion Reservoir, to Peppard & Fulton, 217 Bd. of Trade Bldg., Superior, $184,523. Noted April 13.

Kan., Pratt—For 5 deep wells, fully equipped with necessary pumps, motors, piping, etc., 5 brick well houses, 8,810 ft. 3 phase transmission line, 12,300 ft. 12 in. c.i. pipe line and special fittings and valves, one 300,000 gal. elevated tank, one 300 hp. water tube boiler, resetting one 300 hp. water-tube boiler, steam piping complete, one 20 kw. street lighting regulator, one switchboard panel, one 40,000 gal. per day water softening plant, raising boiler room and re-roofing same, 2 soot blower installations, to Merkle Machine Co., 1733 Walnut St., Kansas City, Mo., $140,150.

Neb., Lincoln—To United States Cast Iron Pipe & Fdry. Co., 2100 St. Louis Ave., Birmingham, Ala., c.i. bell and spigot pipe $340, specials $819, c.i. flanged pipe, $2,706, specials, $1,385, extra heavy pipe, 12 ft. lengths, 4 in. $9.75, 6 in. $13.49, 8 in. $18.75, 10 in. $25.26, 12 in. $32.99, 14 in. $40.29; to F. Tyler, 825 North N St., hp. steam pipe, $6,100, c.i. flanged valves, $837, standard pipe fittings and valves, $941, extra heavy pipe fittings and valves, $916, B. & S. gate valves for c.i. pipe, $239; W. S. Dickey Clay Pipe Co., 200 New York Life Bldg., Kansas City, Mo., tile pipe, $947; Allis-Chalmers Mfg. Co., 1410 Waldheim Bldg., Kansas City, Mo., 2 in. centrifugal pump G. S. double suction, $373; Barnes-McDevitt, St. Louis, Mo., cooling pond equipment, $2,025.

Sewers

PROPOSED WORK

Mass., Fall River—Plans sewerage extensions in various streets. $175,000. Dept. Pub. Wks., engrs.

N. Y., Binghamton—See "Excavation and Dredging."

N. Y., Elmira—Bd. Pub. Wks. making plans extending storm water and sanitary sewarage systems. $200,000. G. W. Jarchow, clk.

N. Y., Olean—Plans 32 in. sewer in 2 Mile Creek. $50,000. A. Miles, city engr.

N. C., Dallas—Takes bids about June 6, installing sewerage system. $50,000. W. N. Piett, Durham, engr. Noted April 13, under "Waterworks."

N. C., Davidson—See "Waterworks."

N. C., Elkin—See "Waterworks."

S. C., Greenville—Plan to vote on $100,000 bonds improving sewerage system. W. L. Neves, Greenville, engr.

Fla., Miami—C. W. Murray, city engr., making plans and soon takes bids constructing sewarage systems in South Riverside Sec., Projects 51, 52, 55, 57 and 58, Contr. 30, involving 23,800 ft. 8 in. and 1,200 ft. 12 in. vitr. pipe, $65,000; Central Miami Sect., Projects 46, 47, 48, 49, Contr. 28, 944 ft. 6 in. and 9,000 ft. 8 in. vitr. pipe and 500 ft. 8 in. rein.-con. pipe, $28,000; Riverside Sect. Projects 50, 53, 54, 56, Contr. 29, 22,000 ft. 8 in., 3,000 ft. 10 in., 8,000 ft. 12 in. and 2,500 ft. 15 in. vitr. pipe, $76,000; North Miami Dist., Projects 41, 42, 43, 44, 45, Contr. 27, 21,000 ft. 8 in., 2,800 ft. 10 in., 620 ft. 12 in. and 2,000 ft. 15 in. vitr. pipe, 4,000 ft. c.i. outfalls, $105,000; two 2,700,000 gal. screen disposal units, $200,000.

In April

We published 141 *tips on new sewer construction as follows:*

Proposed work	44
Bids desired	46
Bids received	18
Contracts awarded	33

Did you hunt down any of these?

O., Akron—E. A. Zeisloft, dir. Pub. Serv. takes bids in summer for new sewers. $700,000. J. E. Root, 300 Delaware Bldg., engr.

Ill., Morris—Making plans sewers in 2nd and 3rd Wards. $80,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Savanna—Takes bids about May 15, extending mains on various streets. $20,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Schiller Park—Soon takes bids for sewers in various streets. $63,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Mich., Detroit—Had plans prepared for vitr. crock sewers as follows: 3,329 ft. Lateral 3591 in blocks between Seven Mile Rd., Packard, Van Dyke and Quinn Aves., 6,940 ft. Lateral 3605 between Livernois, Alden, Keeler and Midland Aves., 7,596 ft. Lateral 3618 between Seven Mile Rd., Mound, Mt. Elliott and Hildale Aves., 3,311 ft. Lateral 3624 between Van Dyke, Gilbo, Lyford and Leander Aves., 3,085 ft. Lateral 3625 between Van Dyke, Gilbo, Almont and Mt. Olivet Aves., 3,803 ft. Lateral 3629, between Wyoming, Roselawn and Grand River Aves., 6,849 ft. Lateral 3640, between Walthom, Joann, Portlance and Grotto Aves., 9,025 ft. Lateral 3641 between Seven Mile Rd., Jos Campau, Conant, and Nevada Aves. $77,000. J. W. Reid, city engr.

Mich., River Rouge—Having revised plans prepared and soon takes bids 1½ mi. sewer in Jefferson and Stoner Aves. from east to west borders of city, 36-72 in. concrete, brick or segment block. $100,000. M. L. Brown & Son, 120 Madison Ave., Detroit engrs. Noted Feb. 9.

Mich., Royal Oak (Detroit P. O.)—Having plans prepared complete sewerage system. $300,000. Hoad & Decker, Engineering Bldg., Ann Arbor, engrs.

Kan., Ottawa—Having plans prepared sewage disposal plant. $125,000. Black

Sewers (Continued)

& Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

Okla., Shattuck—Having surveys made constructing sewers in various streets. $75,000. H. G. Olmsted & Co., 415 Oil Exch. Bldg., Oklahoma City, engrs.

N. M., Albuquerque—Had plans prepared 50 x 120 ft. rein.-con. treatment plant, incl. 2 settling tanks, sludge bed and chlorinating chamber. $115,000 bonds voted. F. M. Kimball, city engr.

Cal., Benicia—See "Streets and Roads."

Cal., Santa Ana—Voted $321,000 bonds for outfall sewer and additions to present system.

Cal., San Luis Obispo—May 29, to vote on $20,000 bonds extending sewage system; $15,000 for septic tank. $20,000 for concrete culverts and $15,000 constructing 3 rein.-con. bridges. W. B. Burch, Lowe Bldg., engr.

BIDS DESIRED

Vt., North Bennington — See "Waterworks."

N. Y., Canandaigua—May 16, by Bd. Pub. Wks., City Hall, sewers and sewage disposal works. W. S. Lozier, 321 Cutler Bldg., Rochester, consult. engr.; adv. this issue.

N. Y., Croton-on-Hudson—May 8, sewage system and sewage treatment plant. T. F. Bowe, 110 William St., New York, consult. engr.

N. J., Butler—May 19, by Boro Council sewers and sewage disposal works. C. Potts, 30 Church St., New York, civil engr.; adv. this issue.

Pa., Doylestown—May 20, remodeling sewage treatment plant. Banks & Craig, Telegraph Bldg., Harrisburg, consult engrs.; adv. this issue.

Pa., Lebanon—May 15, by Mayor and Council, extending sanitary sewers. Contrs. 12 and 13. P. A. Volcker, city engr.; adv. this issue.

D. C., Wash.—May 19, by Dist. Comrs., 509 Dist. Bldg., constructing sewers.

Va., Potomac—May 18, at office of D. J. Howell & Son, engrs., Union Trust Bldg., Wash., D. C., sewer pipe and sanitary sewers. J. W. Varney, mayor; adv. this issue.

Ga., Albany—May 15, at office H. W. Coleman, dir. Pub. Wks., City Hall, sanitary sewers; adv. this issue.

Fla., Jacksonville—May 16, sewers in Hogan, King, Adams, Donald and St. Johns Sts., 6,000 ft. 12-48 in. concrete pipe and 600 ft. 18 in. vitr. pipe, etc. Bids will be received (1) materials, (2) materials and labor. W. E. Sheddan, city engr.

Mich., River Rouge—May 9, by R. Peters, city clk., 7,000 ft. trunk sewer in Jefferson and Stoner Aves., 3-6 ft. diam., concrete, brick or segment block, laterals of vitr. or concrete pipe. $100,000. M. L. Brown & Son, 405 Capitol Theatre Bldg., Detroit, engrs. Noted Feb. 9.

Wis., Fond du Lac—May 12, by A. M. Hunter, clk., 1,067 ft. 8 in., 3,345 ft. 10 in., 1,565 ft. 12 in., 1,050 ft. 15 in. 2050 ft. 18 in. and 960 ft. 24 in. rein.-con. or vitr. storm sewers etc.

Wis., La Crosse—May 10, by Bd. Pub. Wks., 775 ft. 39 in. and 1,047 ft. 36 in. rein.-con. pipe or segment block, 13,890 ft. 10-15 in. vitr. pipe, 39 manholes, 63 catchbasins, 400 house connections. Bids will also be asked on 4,240 ft. 10-20 in. vitr. pipe. G. Bradish, City Hall, engr. Noted Jan. 12.

Minn., Wabasso—May 9, sewerage system 6,300 lin.ft. 8 in., 3,320 ft. 10 in. and 1,950 ft. 12 in. vitr. tile sewer, 24 manholes, 6 flush tanks, 1 disposal plant and outfall. $40,000. G. A. Goblirsch, clk. Noted April 6.

Neb., Grand Island—May 16, 60,000 ft. 8-54 in. sewers, and disposal plant. $303,691. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted April 20.

Okla., Henryetta—See "Waterworks."

Ont., Hamilton—May 22, by S. H. Kent, city clk., Western Storm Overflow Sewer, Sect. 4. E. R. Gray, city engr.; adv. this issue.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, opened bids April 25, sewers in (1) White Plains Rd., storm water drain in (2) East 233rd St., rebuilding existing concrete culvert across and under (3) Gun Hill Rd., etc., from J. L. Sigretto & Co., Woodhaven, (1) Proposal A $47,546, Proposal B $47,446; C. W. McDonald, West 10th St., Brooklyn, (1) Proposal A $53,810, (3) $9,295; Fordham Contg. Co., (1) Proposal A $59,107; Anita Constr. Co., 2975 Marion Ave., (1) Proposal B $69,300, (2) $98,892; J. E. Gaffney, 438 East 91st St., (2) $102,715; Carroll Contg. Co., Inc., (2) $121,687; E. L. Titus, (3) $11,165; J. C. Tobin Constr. Co., (3) $14,350. Noted April 20.

CONTRACTS AWARDED

N. J., Jersey City—Bd. Comrs. sewers in Fisk St. drainage area, to Pub. Serv. Production Co., Pub. Serv. Bldg., Park Pl., Newark. Noted April 13.

Pa., Erie—Myrtle St. Storm Sewer in Chestnut, Cherry, 10th and Myrtle Sts., to Calabrese Co., Erie, $27,458. Noted April 27.

Va., Norfolk—Rein.-con. box and pipe drains in Newtons Creek sewer project near new junior high school in Brambleton, to Genl. Constr. Co., Seaboard Bank Bldg., Norfolk, $64,848. Noted April 20.

Va., South Norfolk—Sanitary sewerage system, etc., to O. Dashiell & Son Co., 507 South St., Portsmouth, $131,921. Noted April 27.

N. C., West Asheville (Asheville P. O.)—Constructing 8.5 mi. sewers, to Sugg & Britt, Asheville, $47,792. Noted March 16.

Mich., Detroit—To Brandon & Hanna, 1624 Dime Bank Bldg., Clark Ave. Sewer, Sect. 2, $564,174; J. Porath, 34 McGraw Bldg., Winchester Ave. Arm Sewer, $19,941, State Fair Ave. Arm Sewer, $21,396; J. A. Mercier, 216 Hammond Bldg., Plymouth Ave. Arm. West, Wyoming Ave. Sewer, $26,941, Plymouth Ave. Arm East, Wyoming Ave. Sewer, $27,274, Bates St. Sewer, Sect. 7, $40,466, Van Dyke Ave. Arm, Seven Mile Rd. Sewer, $38,367. Noted April 20 and 27.

Wis., Milwaukee—For 95,000 bbl. cement for use in connection with tanks on Jones Island, to Wauwatosa Fuel & Supply Co., 30 West Main St., Wauwatosa, $2.025 per bbl. Noted April 6.

Cal., Dinuba—Sewage disposal plant, to De Waard & Cobham, Granger Bldg., San Diego, $122,700. Noted March 30.

Waste Disposal

BIDS DESIRED

Ill., Elmhurst—May 15, garbage incinerator F. M. Neumann, clk.; adv. this issue.

Bridges

PROPOSED WORK

N. Y., Bowmansville—Town of Lancaster plans reconstructing 150 ft. 2 span rein.-con. bridge, over Ellicott Creek, on Genesee Rd. To exceed $25,000. F. Duttweiler, 21 Lombardy St., Lancaster, town supt.

N. Y., Potsdam—St. Lawrence Co. (Canton) having plans prepared and takes bids about May 15, 4 concrete and steel bridges, here. $160,000. Concrete Steel Eng. Co., 21 Park Row, New York, engrs. Noted March 16.

In April

We published **138** *tips on new bridge construction as follows:*

Proposed work	36
Bids desired	51
Bids received	19
Contracts awarded	32

More in last four weeks than in the five issues of March.

N. Y., Saratoga Springs—Bd. Supervs. Saratoga Co. (Ballston Spa.) plans 3 span steel bridge over north end of Saratoga Lake. To exceed $25,000. J. E. Hodgman, Ballston Spa., co. supt. of highways.

N. J., Perth Amboy—State Hy. Dept., Trenton, plans 6,000 ft. bridge, 53 ft. wide, over Raritan River, between here and South Amboy. $4,000,000. Engineer not selected.

Pa., Phila.—F. H. Caven, dir. pub. wks., opens bids about May 15 or 20, 200 ft. 3 span concrete and steel bridge, South St. $100,000. S. H. Noyes, City Hall, engr.

W. Va., Benwood—Interstate Bridge Co., Wheeling, having preliminary plans prepared steel span bridge over Ohio River, between here and Bellair, O. J. E. Griener & Co., 403 Fulton Bldg., Pittsburgh, Pa., engrs.

N. C., Elkin—See "Streets and Roads."

Fla., Clearwater—Comrs. Pinellas Co. plan election to vote on bonds for constructing 7 concrete deck girders, 16 flat concrete slabs, 1 creosoted timber bridge, one 25 ft. clear span, single lift, involving 1,850 lin. ft. rein.-con. pipe, 2,600 cu.yd. concrete, 8,000 lin.ft. concrete pile foundation, 65,000 ft. creosoted bridge timber, 5,500 lin.ft. concrete or creosoted timber bulkhead, 22,000 lin.ft. creosoted wooden piling and 235,000 lb. reinforcing. C. E. Burleson, Clearwater, engr.

Minn., Minneapolis — Northern Pacific R.R., 5th and Jackson Sts., St. Paul, soon receives bids, two 250 ft. concrete bridges, one at 4th St. and 15th Ave., S. E., and other at University and 14th Aves., $200,000. M. F. Clements, bridge engr.

Wash., Raymond—State Hy. Dept., Olympia, rejected bids opened April 18, steel swing drawbridge, Ocean Beach Highway, here. J. Allen, state highway engr. Noted March 23.

Cal., San Luis Obispo—See "Sewers."

Ont., Lindsay—Victoria Co. having plans prepared concrete bridges and culverts. $30,000. E. L. Miles, County Bldg., engr.

Ont., St. Thomas—Elgin Co. takes bids about May 15, concrete and steel bridge, 304 ft. long, over Stalter Gully. $100,000. F. W. Bell, Court House, engr. Noted Feb. 9.

BIDS DESIRED

New Jersey—May 19, by State Hy. Comn., Trenton, reconstructing bridge M.P. 37, Biddles Creek, on Route 15, in municipality of Middle, Cape May Co. C. A. Mead, 790 Broad St., Newark, engr.; adv. this issue.

Pa., Phila.—May 31, by Delaware River Bridge Joint Comn., Room 806, Widener Bldg., first section of Phila. and Camden anchorages of bridge over Delaware River between here and Camden, N. J., Contrs. 4 and 5; adv. this issue.

North Carolina—May 25, by State Hy. Comn., Raleigh, constructing bridges and culverts on State Project 888, Yancey Co., 1,355 cu.yd. concrete, 124,588 lb. reinforcing, 1,840 ft. untreated piles, etc.; State Project 614, Cabarrus Co., 1,460 cu.yd. concrete, 162,250 lb. reinforcing, 1,250 lb. plates and bolts, $42,000; State Project 316, Brunswick Co., 829 cu.yd. concrete, 92,370 lb. reinforcing, etc. C. M. Upham, state highway engr.

N. C., Troy—Comrs. Montgomery Co. receiving bids and opens same about May 15, 280 ft. steel bridge on rein.-con. piers and abutments over Little River. $28,000. L. V. Edwards, Winston-Salem, engr.

Fla., West Palm Beach—May 15, by Bd. Comrs. Palm Beach Co., reconstructing and completing bridge over Lake Worth. F. E. Fenno, clk.; adv. this issue. Noted Sept. 1.

Wisconsin—May 9, by Wisconsin Hy. Comn., at div. office 8, First Natl. Bank Bldg., Superior, Red Cedar Bridge, Sta. 156 plus 67.5, 484 cu.yd. concrete, 3,140 lb. structural steel, 162 lin.ft. 18-24 in. corrugated pipe; Meadow Creek Bridge, Sta. 386 plus 60 on Spooner-Cameron Rd., Federal Aid Project 815, Barron Co., 20 ft. rein.-con. deck girder span, 127.5 cu.yd. concrete, etc., A. R. Hirst, Madison, highway engr.

Wisconsin—May 11, by State Hy. Dept., at div. office 7, Rhinelander, Brule River Interstate Bridge over Brule River on State Trunk Highway 98 in Wisconsin and 73 in Michigan, two 35 ft. rein.-con. girder spans, 24 ft. roadway. A. R. Hirst, Madison, highway engr.

Bridges (Continued)

Ia., Decorah—See "Streets and Roads."

Kan., Erie—May 8, by Clerk Neosho Co. 150 ft. concrete and steel bridge, three 50 ft. arch spans. O. T. Reece, Erie, engr.

Missouri—May 12, by State Hy. Dept. at div. office Canton, one 24 ft., two 20 ft., one 14 ft., one 30 ft. and one 85 ft. rein.-con. spans, 18 ft. roadways, on Federal Aid Project 38, Lewis Co. A. Graham, Jefferson City, state highway engr. Noted April 27.

Washington—June 1 by State Hy. Dept., Olympia, steel span bridge over Snake River on Island Empire Highway. $300,000. J. Allen, state highway engr.

Cal., Riverside—May 15, by Bd. Supervs. Riverside Co., constructing rein.-con. bridge over Santa Ana River, known as Rubidoux Bridge. $95,000. A. C. Fulmor, Riverside, engr.

BIDS RECEIVED

Mass., Boston—Opened bids April 24, Chelsea Bridge, 370 ft. steel girder, 61 ft. wide, to have two 119 ft. Bascule draw spans, from Holbrook, Cabot & Rollins Corp., 6 Beacon St., $521,830; W. L. Miller Co., Charlestown, $618,140; T. Stuart & Sons Co., Newton, $620,705. Contract awarded to lowest bidder. Noted April 13.

Virginia—State Hy. Comn., Richmond, 460 ft. concrete and steel bridge over Hampton Creek, Virginia Project 150, from Atlantic Bridge Co., Roanoke, $74,713; Sanford-Brooks Co., Yard Dundalk, Baltimore Md., $75,985; W. D. Murray-Saddler Corp., Norfolk, $83,583. Noted April 6.

Wis., Monroe—Green Co. opened bids April 25, for Browntown No. 1, Browntown No. 2, Bowen, Roderick No. 1, Roderick No. 2 and Somerfelt Bridges, from W. H. Shons, Freeport, Ill., $15,530; C. E. Rich & Co., Lancaster, $16,097. Noted April 20.

Minn., St. Paul—H. W. Austin, city purch. agt. opened bids April 17, 80 ft. span concrete bridge, Cedar St. and University Ave., 60 ft. wide, from W. J. Hoy & Co., 700 Metropolitan Opera House Bldg., $29,235; E. J. Dunnigan, 315 Guardian Life Bldg., $32,709; G. J. Grant Constr. Co., 902 Exch. Bank Bldg., $34,333. Noted April 13 under "Streets and Roads."

Montana—State Hy. Dept., Helena, 2 small concrete bridges and one 198 ft. steel span, 23 ft. approaches on Federal Aid Project 160, Proposal B, Gallatin Co., 217,500 lb. structural steel and 38,000 lb. reinforcing, 491 cu.yd. concrete, from Illinois Steel Bridge Co., 551 Gilfillan Blk., St. Paul, Minn., $29,327; Security Bridge Co., 502 North 32nd St., Billings, $31,343; McGuire & Blakeslee, Bozeman, $31,637.

Tex., Bastrop—Bastrop Co. opened bids April 24, 0.35 mi. bridge over Colorado River on Highway 3 B, to have three 192 ft. steel truss spans, concrete piers, 117 and 585 ft. rein.-con. girder approaches, 418 ft. 147.5 ft. earth approaches, from Kansas City Bridge Co., 1012 Baltimore Ave., Kansas City, Mo., $142,811; Austin Bros. Bridge Co., Coombs St., Dallas, $143,885; McCall Moore Eng. Co., 308 Amicable Bldg., Waco, $146,004. Noted April 13.

CONTRACTS AWARDED

Mass., Boston—See bids received.

Mass., Holyoke—Bd. Pub. Wks., steel deck girder bridge, wood floor, stone foundation, Lyman St., to D. C. O'Connells Sons, 480 Hampden St., $28,346. Noted Feb. 9.

Pa., Media—G. T. Wadas, controller Delaware Co., Wawa Bridge to O. B. S. Co., 5617 Kingsessing Ave., Phila., $16,979. Noted April 27.

Pa., Pillow—Comrs. Dauphin Co., 100 ft. concrete bridge over Mahantongo Creek at Boyers Mill, near here, to J. M. Gotshall, Pillow, $24,999. Noted April 13.

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridges and culverts on State Project 677, Scotland and Robeson Counties, to Chitwood and Palmer, Florence, S. C., $27,215. Noted April 13.

Alabama—State Hy. Dept., Montgomery, constructing bridge over Mulberry Fork of Warrior River at Garden City, Blount and Cullman Counties, to Converse Bridge & Steel Co., Anderson and Bkly. Aves., Chattanooga, Tenn., $26,656; over Cahaba River, Jefferson and Shelby Counties, to Columbus Constr. Co., Columbus, Ga., $49,571. Noted April 20.

La., Lake Charles—W. J. Prater, pres. Police Jury of Calcasieu Parish, Moss Bluff Highway Bridge across Calcasieu River, substructure to Foundation Co., Maison Blanche Bldg., New Orleans, $68,700; superstructure to Pensacola Shipbuilding Co., Pensacola, Fla., $83,900; timber approaches to S. D. Carr Constr. Co., Shreveport. Noted March 23.

Ia., Corydon—Wayne Co., for 72 rein.-con., culverts, one 100 ft. steel truss and two 75 ft. steel span truss bridges, on Federal Aid Projects 91 and 150, 157,200 lb. structural steel, 168,755 lb. bars, 2,434 cu.yd. concrete, etc., to Alexander & Higbie, 2733 6th Ave., Des Moines, $53,998. Noted April 6.

Ia., Newton—Jasper Co., 71 rein.-con. box culverts, one 70 ft. steel truss and one 132 ft. I-beam bridge, 113 ton steel, 1,576 cu.yd. concrete, etc., to Wickes Eng. & Constr. Co., 418 Polk Bldg., Des Moines, $36,468.

Dams

PROPOSED WORK

Ia., Waterloo—Waterloo and Cedar Falls Union Mill Co., plans to repair old dam or build new 600 ft. rein.-con. dam in Cedar River. $50,000. G. C. Brown, secy. Engineer not announced.

Neb., Culbertson—Bd. Dirs. Frenchman Valley Irrigation Dist., rejected bids opened April 25, constructing Harvey Dam and reservoir. Hershey & Merrick, Brownell Blk., Lincoln, engrs. Noted March 30.

BIDS DESIRED

Conn., Southington—May 20, by Bd. Water Comrs., raising earth dam. S. H. MacKenzie, supt.; adv. this issue.

Conn., Stamford—May 23, by Stamford Water Co., 271 Main St., concrete dam with appurtenances, across Mill River in towns of Stamford and New Canaan. C. A. Hatch, genl. mgr.; adv. this issue.

Wis., Muscoda—E. E. Dillon, engr., Washington Bldg., Madison, taking bids 106 ft. concrete dam, 11 ft. head, spillway and equipment, for city.

CONTRACTS AWARDED

N. C., Albemarle—See "Waterworks."

O., Columbus—W. H. Duffy, dir. Pub. Serv., O'Shaughnessy Dam, 1,400 ft. long, 70 ft. high, in Scioto River, incl. bridge, 15 mi. north of here, to Columbus Constr. Co., Clinton Bldg., $1,001,616. Noted April 27.

Railways

CONTRACTS AWARDED

New York—New York State Railways, 267 State St., Rochester, will build 2,000 ft. new track extension and 13,500 ft. reconstruction work, incl. paving, by day labor under supervision of Eng. Dept. $375,000.

Ontario—Kitchener Light Comn., Kitchener, laying track on Church St. from King St. to Waterloo Park, to Standard Paving Co., Central Chambers, Ottawa, $80,000.

Excavation and Dredging

PROPOSED WORK

N. Y., Binghamton—Plans to improve Brandywine Creek and sewers adjacent thereto. $750,000. E. E. Weller, City Bldg., engr.

N. C., Washington—Pitt Co. Bd. Drainage Comrs., plan constructing D. D. 2., $168,000. G. T. Leach, pres. com.

Ia., Burlington—Des Moines Co. had plans prepared for system, D.D. 1. $60,000. Central States Eng. Co., Muscatine, engrs.

BIDS DESIRED

Minn., Crookston—May 17, by Polk Co., repairing Ditch 48. 112,947 cu.yd. excav., 1,207 lin.ft. road leveling. 240 lin.ft. 2-4 in. culvert pipe, one rein.-con. box culvert; Ditch 146, excav. and installing 46,300 lin.ft. 5-18 in. tile, $19,942 and $10,922 respectively. S. Steenerson, Crookston, engr.

Ont., Greenfield—May 12, by Kenyon Twp., improving River de Lisle, incl. 27,502 cu.yd. excav., 15,290 cu.yd. hardpan, 1,115 cu.yd. concrete. I. D. Cameron, clk.

CONTRACTS AWARDED

Va., Norfolk—For 140,000 cu.yd. dredging across Elizabeth River for submerged pipe line, to F. E. Jones Dredging Co., Natl. Bank of Commerce Bldg., Norfolk, $0.48 per cu.yd. Noted April 20.

Fla., Jupiter—Constructing 20 x 400 ft rock jetties and dredging 99,000 cu.yd., to Waldeck-Deal Dredging Co., Miami, $68,350. Noted April 6.

Wis., Milwaukee—Lincoln Warehouse & Van Co., 226 4th St., excavating and piling for 6 story, 120 x 160 ft., rein.-con. and brick warehouse, plain foundation, 3rd and Prairie Sts., to H. Danischefsky, 1484 Humboldt Ave., sublet piling to Great Lakes Dredg & Dock Co., 216 West Water St. Noted March 20 under Buildings.

Minn., Redwood Falls—Redwood Co., Ditch 54, 256,820 lin.ft. 6-30 in. tile, to New Ulm Drainage & Constr. Co., New Ulm, $119,000. Noted March 9.

Streets and Roads

PROPOSED WORK

R. I., Providence—Plans to repair and build new permanent pavements, etc. $600,000 appropriated. M. H. Brondson, city engr.

R. I., Warren—Plans permanent road construction on various streets. $30,000. Private plans.

Mass., Fall River—Plans new pavements and repairs to present asphalt and waterbound macadam pavements. $340,000. Dept. Pub. Wks., engrs.

Mass., Springfield—Plans to widen Water St., incl. new concrete pavement, sidewalks, curb and gutter, $200,000; repair present permanent pavements, new pavements and road construction, $750,000. Dept. Pub. Wks., engrs.

N. Y., Belmont—Allegany Co. authorized $202,000 bonds improving roads, probably macadam.

N. Y., Elmira—Bd. Pub. Wks. making plans paving and curbing various streets. $400,000. G. W. Jarchow, clk.

N. Y., Fredonia—Village Trustees plan paving Forest Pl., Terrace, Barker, Griswald and Water Sts. $40,000-$45,000.

N. Y., Gainesville—Wyoming Co. (Warsaw) plans paving 4.68 mi. Metcalfs Corners Rd., 16 ft., concrete or bitulithic. $175,300.

N. Y., Genoseo—Livingston Co. plans improving 7 mi. Groveland Rd., concrete. To exceed $25,000.

N. Y., Johnson City—Bd. Pub. Wks. making plans paving Floral and Ackley Aves. $35,000. H. Brown pres.

N. Y., Lackawanna—Plans paving Center St., Ridge Rd., Warsaw, Ingham, Modern, Roland and Electric Aves. To exceed $25,000. B. McDonnell, comr. Pub. Wks. Noted July 14.

N. Y., Mayville—Chautauqua Co. plans paving 4.59 mi. Sinclairville-Cassadaga Rd. Part 1, 16 ft., concrete. $201,500. W. J. Knauer, 255 Roberts Bldg., Jamestown, engr.

N. Y., Olean—Bd. Supervs. Cattaraugus Co. had plans prepared and soon takes bids improving Olean-Rock City Rd., bituminous macadam. $40,000-$45,000.

N. Y., Oneida—Voted $40,837 bonds to pave Broad St., warrenite bitulithic. J. M. Hutton, city engr.

N. Y., Rochester—Plans resurfacing Harvard St., $25,000; paving Avis St., $26,200, Custer St., $16,000, Dunbar St., $13,400, Arvine Heights, $15,900, Glaser St., $11,650, Arnold Park, $26,400, Anson Pl., $4,900, Primrose St., $22,700, Alma Pl., $3,500, Plymouth Ave. N. from Main to Allen Sts., $37,500, Plymouth Ave. S from Pennsylvania R.R. bridge to Caledonia Ave. and placing car tracks in center of street instead of on side, (track work will be done by Railway Co.), $188,500. All asphalt. C. A. Poole, city engr.

N. Y., Rome—Plans paving Mohawk, Calvert, Clark and Depeyster Sts. To exceed $25,000. A. E. Ellinger, clk.

N. Y., Salamanca—Plans paving East and West State Sts., State Park and Front Aves. To exceed $25,000. Engineer not announced.

N. Y., Schenectady—Plans paving and resurfacing various streets. $200,000. G. Howard, city engr.

N. Y., Sinclairville—City and Chautauqua Co. (Mayville) plan paving 5,088 ft. Railroad St., 16 ft., concrete. $30,014. W. J.

Streets and Roads (Continued)

Knauer, 255 Roberts Bldg., Jamestown, engr.

N. Y., Syracuse—Making plans paving 20 mi. various streets. $1,500,000. T. H. Mather, city engr.

N. Y., Westfield—Plans election to vote on $46,000 bonds to pave North Portage and English Sts.

N. J., Trenton—Plans paving Princeton, Perrine and part of South Clinton Aves., asphalt. $48,000. A. Swan, City Hall, engr.

Pa., Albion—Erie Co. and Conneaut Twp. plan paving 4 mi. road leading to city. C. C. Hill, co. engr.

Pa., Erie—See "Miscellaneous."

Pa., Pittsburgh—Having plans prepared grading, paving and curbing 8,100 ft. Pioneer Ave. from West Liberty to Brookline Aves. $180,000. C. A. Finley, dir. pub. wks.

Pa., Washington—Washington Co. having plans prepared concrete roads as follows: 9,800 sq.yd. Frye Sta. Rd., Carroll Twp., $45,000; 11,700 sq.yd. Krepps Knob Rd., East Pike Run Twp., $60,000; 16,969 sq.yd. Avilla-Cross Creek Rd., Cross Creek Twp., $85,000; 10,739 sq.yd. Meadowlands-Houston Rd., Chartiers Twp., $50,000; 3,000 sq.yd. Claysville-Bethany Rd., Donegal Twp., $25,000; 7,253 sq.yd. Midway-Steubenville Pike, Robinson Twp., $35,000; 10,100 sq.yd. Gastonville-Elrama Rd., Sects. 1 and 2, Union Twp., $50,000; 12,000 sq.yd. McMurray Rd., Sect. 3, Peters Twp., $60,000; 3,000 sq.yd. West Alexander-Dunsfort Rd., Donegal Twp., $25,000; 10,700 sq.yd. Hill Church-Eighty Four Rd., North Strubane Twp., $50,000; 18,500 sq.yd. Midway-Bulger Rd., Smith Twp., $100,000. Cheney Eng. Co., co. engrs.

D. C., Wash.—Bd. Pub. Buildings and Grounds, 1729 New York Ave., plans concrete walks, curbs and gutters in Seaton Park. C. O. Sherrill, engr.

Va., Bennington—Plans to pave West Main St., concrete. $35,000. Pub. Wks. Dept., engrs.

W. Va., Huntington—Having surveys made paving 1 mi. Smith St. and Robys Rd., vitr. brick. A. B. Maupin, Huntington, engr.

W. Va., Welch—Big Creek Dist., McDowell Co., election May 6, to vote on $450,000 bonds paving 30 mi. roads, vitr. brick. State Highway Comn. to appropriate $450,000.

N. C., Concord—Rejected bids paving various streets. R. I. Long, Concord, engr. Noted April 27.

N. C., Elkin—Plans paving, guttering, curbing and laying sidewalks on various streets, $117,000; constructing bridges $20,000. A. Chatham, clk.

N. C., Lexington—Plans paving various streets. $50,000 bonds sold. G. C. White, Durham, engr.

N. C., New Bern—May 16, to vote on $150,000 bonds paving various streets. F. A. Patterson, clk.

N. C., Raeford—Plans paving 60,000 sq.yd. various streets. $150,000. Taplin & Perkins, High Point, engrs.

S. C., Greenwood—Greenwood Co. plans hard surfacing 1 mi. and topsoiling 7 mi. Greenwood-Abbeville Rd. E. J. Davis, secy.

Fla., Bushnell—Rejected bids opened April 10, paving 2 mi. various streets. $30,000. Young-Merrin Co., Bushnell, engrs. Noted March 30.

Fla., Ocala—Marion Co. received no bids paving 15 mi. road between Belleview and Lake Co. line. Noted March 30.

Fla., Tampa—R. D. Martin, city eng., preparing plans paving 2 mi. Palmetto, Dekle and Southview Sts., asphalt blocks. $30,000.

Alabama—State Hy. Dept., Montgomery, having plans prepared grading and gravel surfacing 8.9483 mi. Bankhead Highway between Jasper and Birmingham beginning at Warrior and extending to Jefferson Co. line, Walker Co. $180,000. W. S. Keller, state highway engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened May 9, grading, bridging and paving 0.588 mi. Sect. "Lexington" Mansfield-Mt. Gilead Rd., Richland Co. Noted April 27.

O., Cleveland—Comrs. Cuyahoga Co. had plans prepared grading and paving Bradley Rd., 13,800 cu.yd. earth excav., 24,900 sq.yd. concrete on 5 in. concrete, etc. $121,873. F. J. Lander, Court House, engr.

O., Cleveland—Plans grading, curbing and paving Merl, St. Charles and Onandago Aves., vitr. brick and asphalt. $40,000. E. A. Fisher, City Hall, engr.

O., Marietta—Soon takes bids widening and resurfacing 2nd St. from Putnam to Greene Sts., asphalt. $30,099. G. L. Haenn, Marietta, engr.

Ill., Rock Island—Rock Island Co. takes bids about May 15, paving Moline-Coal Valley Rd., East Moline-Hampton-Rapid City-Port Byron-Cordova Rd. $361,000. W. Treichler, Rock Island, engr.

Ill., Wilmington—Making plans and take bids about May 15, paving Water, Baltimore and Bridge Sts. $60,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ia., Algona—Making plans paving 12 blocks various streets. $50,000. Currie Eng. Co., Webster City, engrs.

Ia., Carroll—Plans paving 40,000 sq.yd. various streets. $110,000. G. C. Belter, city engr.

Ia., Iowa City—Plans paving 20 blocks various streets. $75,000. B. H. Davis, city engr.

Ia., Sioux City—Woodbury Co. takes bids about May 15, grading Bronson-Lawton Rd., 150,000 cu.yd. excav. $30,000. J. C. McLean, Court House, engr.

Ia., Waukon—Plans paving 50,000 sq.yd. various streets. $125,000. J. D. Cowan, clk.

Nebraska—State Rd. Dept., Lincoln, plans grading and clay surfacing 5.45 mi. Norfolk-Ewing Rd., Project 139 E, Holt Co.; grading 9.97 mi. Dorchester-Friend Rd., Project 55 B, Saline Co. G. E. Johnson, secy. Dept. Pub. Wks.

Nebraska—State Hy. Dept., Lincoln, plans clay and gravel surfacing 1.91 mi. road from Oakland to South Sioux City, Project 49 E, Dakota Co.; grading and clay surfacing 2.48 mi. from Oakland to Crowell, Project 88 C, Cuming Co.; grading, clay and gravel surfacing 26.33 mi. road from North Platte east, Project 170, Lincoln Co.; grading and gravel surfacing 6.013 mi. road from Columbus east, Project 180, Platte Co. G. E. Johnson, secy. Dept. Pub. Wks.

Tex., Memphis—May 9, to vote on $65,000 bond issue street paving and improvements. Montgomery, Ward & Co., c/o J. Montgomery, Wichita Falls, consult. engrs.

Tex., Paris—Lamar Co. making plans surfacing 4 mi. State Highway 19, 37,546 sq.yd. concrete, 47,935 lb. wire mesh reinforcing; 6 mi. State Highway 5, 56,320 sq.yd. concrete, $154,881. W. M. Fooshee, co. engr.

N. M., Albuquerque—Comrs. soon take bids paving 9 blocks North 2nd St., 10,550 sq.yd. pavement, 5,895 lin.ft. concrete curb, 5,895 lin.ft. concrete gutter, 3,000 sq.ft. sidewalk, 2,900 cu.yd. excav. Alternate bids on 10 types of pavement. $54,624. F. M. Kimball, city engr.

Wash., Tacoma—Plans resurfacing Pacific Ave., South 7th to 17th St. $45,613. J. C. Manley, 811 South Cushman St., engr.

Wash., Walla Walla—Plans paving, grading and curbing 2 mi. Chestnut, Bonnie, Clover Sts., et. al. $90,557. W. R. Rehorn, 416 West Alder St., engr.

Cal. Alameda—Had estimates prepared constructing 4,675 ft. highway on Bay Farm Island, oil macadam $11,108, permanent concrete $29,312. C. E. Hickok, city mgr.

Cal., Bakersfield—Had plans prepared and probably takes bids in May, grading and paving Sumner and Oak Sts. $30,000 available. W. D. Clarke, city engr.

Cal., Benicia—Plans election to vote on $80,000 bonds filling in various streets and constructing storm drains in district north of Southern Pacific R.R. F. A. Steiger, city engr.

Cal., Fresno—Had plans prepared improving Pine Ave. between Moroa and Lucerne Aves., 49,230 sq.ft. grading, 44,137 sq.ft. 3½ in. asphaltic base, 1½ in. warrenite surface, 4,917 sq.ft. gutters, 2,635 lin.ft. curb, 5,142 sq.ft. walks, etc. W. Stranahan, City Hall, engr.

Cal., San Luis Obispo—Supervs. San Luis Obispo Co. had plans prepared improving various roads, etc., 18,030 sq.ft. cement sidewalks, 3,298 lin.ft. concrete curbs in town of Pismo and Oceano, 86,544 sq.ft. disintegrated rock or gravel base, 4,636 lin.ft. concrete curbs and 86,544 sq.ft. grading. W. B. Burch, Lowe Bldg., engr.

Cal., San Luis Obispo—Bd. Supervs. San Luis Obispo Co. rejected bids opened April 3, grading and paving Aliva Rd. Noted March 23.

Cal., Santa Rosa—Comrs. Sonoma Co. having plans and estimates of cost prepared constructing 4 mi. unit of Freestone-Valley Ford Highway and 19.5 mi. Valley-Ford-Freestone to Guerneville-Jenner Highway. R. P. Smith, Santa Rosa, engr.

Ont., Burlington—Having plans prepared and soon takes bids paving 1½ mi. Brant St. from Water to Freeman Sts., 18,000 sq.yd. concrete base with top finish. $60,000. McKay & McKay, Home Bldg., Hamilton, engrs.

Ont., Dunnville—Town plans to expend $25,000 for 100,000 sq.ft. concrete sidewalks. J. Clark, clk.

Ont., Ottawa—Bd. Control soon takes bids asphalt pavements on Waverly St. from Elgin to Robert Sts., from Elgin to Metcalfe Sts., and from Metcalfe to Bank Sts. $43,377. A. F. Macallum, city engr.

Ont., Pembroke—Preparing plans paving Main St., asphaltic concrete. $50,000. Prices wanted on all materials. J. P. Howe, City Hall, engr.

Ont., Simcoe—Norfolk Co. having plans prepared for 3-4 mi. concrete or tarvia macadam road northerly from here. $60,000-$80,000. G. R. Marston, co. engr.

BIDS DESIRED

N. Y., Brooklyn—May 10, by E. Riegelmann, boro. pres., Boro. Hall, repaving Albany Ave. from East New York to Clarkson Aves., Boerum Pl. from Livingston to Bergen Sts., Halsey St. from Sumner Ave. to Bway., Hanover Pl. from Fulton to Livingston Sts., Linden St. from Wilson to Knickerbocker Aves., Putnam Ave. from Fulton St. to Nostrand Ave., Ridge Blvd. from Bay Ridge to Ovington Aves., Sterling Pl. from Nostrand to New York Aves., permanent asphalt on 6 in. concrete; Wallabout St. from Williamsburg Rd. to Classon Ave. and Williamsburg Rd. from Wallabout St. to Flushing Ave., grade 1 granite on 6 in. concrete; grading, curbing and laying sidewalks on 59th St. from 17th to 18th Aves., 74th St. from 19th to 20th Aves.

N. Y., Brooklyn—May 12, by E. Riegelmann, boro pres., Boro Hall, curbing and paving roadway of Coney Island Ave. from Ave. U to Neptune Ave., preliminary 7 in. concrete.

N. Y., Middletown—May 19, by Bd. Estimate & Apportionment at city clerks office, City Hall, paving East Main St. from tracks of New York, Ontario & Western Ry. to city limit. J. A. Korschen, comr. Pub. Wks.; adv. this issue.

N. Y., Pawling—May 16, by President and Village Trustees for 6,200 sq.yd. rein.-con. pavement. H. E. Breed, 507 5th Ave., New York, engr.; adv. this issue.

N. Y., St. George—May 10, by M. J. Cahill, pres. Richmond Boro, Boro Hall, repaving roadway of Bradley Ave. from Richmond Turnpike to Brielle Ave., concrete.

N. Y., South Nyack—May 16, by Village Bd. Trustees paving Bway., concrete. C. Allison, Stony Point, engr.; adv. this issue.

N. J., Madison—May 8, by Roads & Sidewalks Com., 2 Green Village Rd., paving Park Ave. and Prospect St., asphalt. J. H. Talmadge, boro clk.; adv. this issue.

N. J., Union Hill—May 11, by Bd. Freeholders Hudson Co. (Jersey City), grading and paving ⅞ mi. Hackensack Plank Rd. between Boulevard and Pleasant Ave., here, $100,000; paving ½ mi. Newark Turnpike near Lackawanna Bridge, $75,000; both granite block on concrete. F. J. Radigan, Court House, Jersey City, engr.

Pa., Ebensburg—May 15, by Supervs. West Taylor Twp., c/o Controller Cambria Co., paving 3,839 lin.ft. Iron St. and Cooper Ave., vitr. brick or one course rein.-con. Owen & Plummer Inc., Otto Bldg., Johnstown, engrs.

Streets and Roads (Continued)

Pa., Edgewood (Pittsburgh P. O.)—May 8, by D. C. Neal, boro. engr., resurfacing and repaving 3,900 ft. Hutchinson, West Swissvale and Gordon Sts., incl. 640 sq.yd. vitr. brick, 2,370 sq.yd. granite block, 772 lin.ft. concrete curbing, 1,250 sq.ft. concrete sidewalk, 7,419 sq.yd. tarvia, $25,000, also tarvia resurfacing over old brick paving 2,600 ft. Maple Ave., 8,300 sq.yd. tarvia, 248 lin.ft. concrete curb, 650 sq.ft. concrete sidewalk, $25,000.

Pa., Oil City—May 22, at office City Controller, paving and repaving various streets; adv. this issue. B. B. Weber, city engr.

Pa., Patton—May 15, reconstructing 3,480 ft. vitr. brick paving block of rolled slag, on Main St. $25,000. O. P. Thomas, boro engr.

Pa., Union City—May 10, paving 3,260 ft. Bridge St., slag, stone or concrete. Hill & Hill, 307 Marine Bank Bldg., Erie, engrs.

Maryland—May 16, by State Hy. Dept., Baltimore, sections highway in Montgomery Co. Contr. M-28, Baltimore Co. Contr. B-48, Kent Co. Contr. K-17, and Wicomico Co. Contr. Wi-19, all concrete. J. N. Mackall, chn.; adv. this issue.

Md., Towson—May 18, by Comrs. Baltimore Co., improving various avenues and roads. H. G. Shirley, roads and sanitary engr.; adv. this issue.

Va., Charlottesville—May 15, by Bd. Supervisors Albemarle Co., grading, draining and sand clay surfacing 5.3 mi. highway between White Hall and Owensville. $25,000. G. P. Coleman, Richmond, highway comr.

W. Va., Clarksburg—Comrs. Harrison Co. receiving bids and opens same about May 15, grading 2 mi. road from end of brick road on Robinsons Run, near Prospect Valley, Eagle Dist., toward Wyatt; 1 mi. from Jacobs Run Schoolhouse, 1 mi. north of Salem, Tenmile Dist., to Doddridge Co. line; 1 mi. road from point near Makin on Northwestern Turnpike toward Marshville, Tenmile Dist.; grading and concrete paving 3,000 ft. from end of brick paving in west end of Wallace and running toward Rinehart, Sardis Dist.; 1 mi. road from Lewis-Harrison Co. line toward Lost Creek, Grant Dist.; concrete paving 16 ft. road from Haywood Bridge and running east 1⅛ mi. to Clarksburg-Fairmont Highway, Eagle and Clay Dists.; 16 ft. road beginning at east end of brick paving in Bridgeport, Simpson Dist. running 600 ft. north to Bridgeport Cemetery; grading and macadam paving 1 mi. from end of tarvia road at Grasselli toward Philippi, Simpson Dist.; grading and paving with concrete or bituminous macadam 1 mi. from state line near West Milford in direction of Lost Creek to bridge across West Fork River, Union Dist.

W. Va., Logan—May 10, by R. M. Wilson, city engr., grading and concrete paving Dingess, Godby, Main, Walnut, Ellison and Charles Sts.

North Carolina—May 25, by State Hy. Comn., Raleigh, improving 5.2 mi. State Project 327, Columbus Co., 26,700 cu.yd. excav. and borrow, 13,700 cu.yd. topsoil, 568 cu.yd. concrete, 59,890 lb. reinforcing, etc., $31,000; 11 mi. State Project 340, Cumberland Co., 19 acres clearing, 61,200 cu.yd. excav. and borrow, 1,184 ft. 15-30 in. concrete pipe, 116,940 sq.yd. concrete or asphaltic paving, 454 cu.yd. concrete, etc., $347,000; 10.62 mi. State Project 742, Forsyth Co., 48,400 cu.yd. excav., 1,654 ft. 15-25 in. concrete pipe, 36,750 sq.yd. scarifying oil macadam, 112,090 sq.yd. concrete or asphaltic paving, 516 cu.yd. concrete, 58,770 lb. reinforcing, etc., $246,350; 9.2 mi. State Project 545, Hoke Co., 25 acres clearing, 69,600 cu.yd. excav., 1,304 ft. 18-30 in. concrete pipe, 21,500 cu.yd. topsoil, 583 cu.yd. concrete, 61,760 lb. reinforcing, etc., $50,000; 12.1 mi. State Project 316, Brunswick Co., 34 acres clearing, 27,700 cu.yd. excav., 38,000 cu.yd. borrow, 10,000 cu.yd. drainage ditches 1,112 ft. 16-24 in. concrete pipe, 31,950 cu.yd. topsoil, etc., $43,450; 9.2 mi. State Project 719, Cabarrus Co., 9 acres clearing, 40,900 cu.yd. common and 3,300 cu.yd. rock excav., 1,108 ft. 16-30 in. concrete pipe, 33,200 sq.yd. scarifying old macadam, 96,790 sq.yd. concrete or asphaltic paving, $282,000; 8.9 mi. State Project 741, Forsyth Co., 10 acres clearing, 46,100 cu.yd. common and 1,800 cu.yd. rock excav., 93,680 sq.yd. concrete or asphaltic paving, 778 cu.yd. concrete, 81,130 lb. reinforcing, etc., $292,000; 15.2 mi. State Project 888, Yancey Co., 73,300 cu.yd. excav., 2,120 ft. 18-30 in. concrete pipe, 147,540 sq.yd. waterbound macadam, etc., $209,600; 9.77 mi. State Project 312, Brunswick Co., 37 acres clearing, 68,800 cu.yd. excav. and borrow, 103,210 sq.yd. concrete or asphaltic paving, 358 cu.yd. concrete, 43,593 lb. reinforcing steel, etc., $304,000; 1.68 mi. State Project 954, Jackson Co., 25,600 cu.yd. common and 6,600 cu.yd. rock excav., 16,480 sq.yd. concrete or asphaltic paving, 640 cu.yd. concrete, 68,640 lb. reinforcing, etc., $77,000; 12.7 mi. State Project 953, Jackson Co., 44 acres clearing, 150,000 cu.yd. common and 20,600 cu.yd. rock excav., 5,900 ft. 15-30 in. concrete pipe, 691 cu.yd. concrete, 2,061 cu.yd. rubble masonry, 60,220 lb. reinforcing, etc., $121,000; 4.53 mi. Sate Project 670, Cabarrus and Rowan Counties, 10,000 cu.yd. excav., 900 ft. concrete or c.i. pipe, 47,850 sq.yd. concrete or asphaltic paving, etc., $133,000; 10¾ mi. State Project 913, Cherokee Co., 8,100 cu.yd. excav., 72,720 sq.yd. waterbound or bituminous penetration macadam, $90,000; 17.6 mi. State Project 593, Rockingham and Caswell Counties, 31,000 cu.yd. excav. and 185,910 sq.yd. concrete or asphaltic paving, $505,000. C. M. Upham, state highway engr.

In April

We published 769 tips on new street and road construction as follows:

Proposed work	201
Bids desired	267
Bids received	70
Contracts awarded	231

Are you making the most of the season?

N. C., Durham—May 9, by R. W. Rigsby, city mgr., 500 sq.yd. concrete paving, 10,000 sq.yd. concrete sidewalks, 12,000 ft. 8 in. vitr. sewers, 2,500 ft. 6 in. soil pipe connections, etc. $30,000. H. W. Hueffner, dir. pub. wks.

N. C., Rockingham—Receiving bids and opens same about May 25, 60,000 sq.yd. paving. $150,000. Mees & Mees, Charlotte, engrs. Noted April 27.

N. C., Troy—May 15, by Comrs. Montgomery Co., constructing 12 mi. road between here and Pekin, probably sand-clay. $50,000. L. V. Edwards, Winston-Salem, engr.

Fla., Gainesville—May 12, by Bond Trustees, Special Rd. Dist. 1, Alachua Co., paving 12 mi. road from Gainesville to Waldo, limestone base 8 in. compact. M. Daniels, Gainesville, dist. engr., State Rd. Dept. Noted Aug. 4.

Fla., Green Cove Springs—May 15, paving various streets, 45,000 sq.yd. vitr. brick, asphalt, concrete or bituminous concrete. $150,000. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs.

O., Akron—May 12, by Summit Co. grading and paving 2½ mi. Greensburg-Altman Rd., 20,000 sq.yd. bituminous concrete. $80,000. J. Weaver, Court House, engr.

O., Cleveland—May 10, by Comrs. Cuyahoga Co. paving Pleasant Valley Rd. No. 4, $150,965; grading and paving Pleasant Valley Rd. No. 3, $96,806. F. J. Lander, Court House, engr.

O., Cleveland—May 10, grading, curbing and paving Cecelia Ave. S. W. from West 35tn St to Pearl Rd. S. W., East 140th St. from Lake Shore Blvd. N. E. to Eaglesmere Ave., East 140th St. from Eaglesmere Ave. to point 340 ft. southerly, Leopold Ave. S. W. from West 35th St. to Pearl Rd. S. W., Parkview Ave. S. E. from Woodhill Rd. S. E. to East Blvd., St. Clair Ave. N. W. from West 3rd to West 9th Sts., St. Clair Ave. N. E. from West 3rd to East 9th Sts., West 6th St. from Superior Ave. to point 295 ft. north of Lakeside Ave. $200,000. R. Hoffman, City Hall, engr.

O., Columbus—May 9, by W. H. Duffy, dir. Pub. Serv., grading, curbing, laying sidewalks and paving Chestnut St. from Front to West Sts., 912 ft. long, 52½ ft., asphalt, $34,191, Durox block, $45,108, brick, $34,248; 2nd alley west of Winner Ave. from Champion to Eastwood Aves., 473 ft. long, 20 ft., brick, $4,100, concrete, $3,292; alley north of Buttles Ave. from alley west of Neil to Harrison Aves., 670 ft. long, 20 ft., brick, $4,943, concrete, $3,924; alley north of Tompkins St. from Indianola Ave. to alley west of Summit St., 355 ft. long, 20 ft., brick, $3,486, concrete, $2,858; 2nd alley west of Forth St. from 13th to 15th Aves., 663 ft. long, 16 and 20 ft., brick, $4,705, concrete, $3,747; East Ave. from Olentangy St. to Kelso Rd., 637 ft. long, 24 ft., brick or asphalt, $14,606. R. H. Simpson, city engr.

O., Columbus—May 10, by Franklin Co. grading and paving 5.34 mi. Hayden Run Rd., $104,000; 5.26 mi. Potter Rd., Sharon Twp., $109,822. C. C. Lattimer, Court House, engr. Noted March 23.

O., Columbus—May 13, by Franklin Co., grading and paving 5.26 mi. Norton Rd., Pleasant Twp., waterbound macadam, $109,522. C. C. Lattimer, Court House, engr.

O., Columbus—May 17, by Franklin Co., grading, bridging and paving 2.9 mi. Stygler Rd., Mifflin Twp., $60,845; 5.34 mi. Courtright Rd., $50,433; 5.34 mi. Hayes Rd., $83,518. C. C. Lattimer, Court House, engr. Former bids rejected. Noted April 13.

O., Columbus—May 26, by Franklin Co. grading, bridging and paving 1.2 mi. Collingwood Ave., Truro Twp., $26,812; 2.46 mi. Lockbourn Rd., Sect. 2, Hamilton Twp., $46,224; 2.42 mi. Sect. 1, Lockbourn Rd., $43,477; 3.5 mi. Lee Rd., Plain Twp., $80,358; 1.74 mi. Caldwell-Davidson Rd., $38,117; grading and paving 0.35 mi. Sect. 3, Lockbourn Rd., all waterbound macadam. C. C. Lattimer, Court House, engr.

Ind., Ft. Wayne—May 16 by Comrs. Allen Co., paving 21,955 ft. Scharpenberg Rd., 18 ft., crushed stone. $82,785.

Ind., Muncie—May 13 by Comrs. Delaware Co., grading and gravel surfacing 10,600 ft. Fletcher Rd., and 10,654 ft. Robert A. Haugh Rd., both 16 ft., $25,000 each; paving 10,232 ft. Handley Rd., 16 ft., bituminous concrete, $60,000.

Ind., Terre Haute—May 15, by Vigo Co., grading and gravel surfacing 4 mi. William L. Forbes Rd., 16 ft. $35,000.

Michigan—May 11, by State Hy. Dept., Lansing, grading and surfacing 4.945 mi. State Trunk Line Rd. 12-36, Dickinson Co., 39,576 cu.yd. excav., 46,858 sq.yd. gravel. F. F. Rodgers, state engr.

Michigan—May 11, by State Hy. Dept., Lansing, 2.332 mi. State Trunk Line Rd. 21-17, Lapeer Co., 8,409 cu.yd. excav., 24,624 sq.yd. asphalt, concrete or bituminous concrete. L. H. Belknap, ch. engr.

Michigan—May 16, by State Hy. Dept., Lansing, grading and surfacing 4.98 mi. State Trunk Line Rd. 12-35, Chippewa Co., incl. 45,441 cu.yd. excav., 46,640 sq.yd. gravel, also grading and surfacing 1.985 mi. Sect. A, 14,794 cu.yd. excav., 18,633 sq.yd. waterbound macadam, and grading 4.994 mi. Sect. B, 22,441 cu.yd. excav., State Trunk Line Rd. 25-12, Sects. A and B, Chippewa Co. F. F. Rodgers, state engr. Noted March 23.

Michigan—May 17, by State Hy. Dept., Lansing, grading and surfacing 5.886 mi. State Trunk Line Rd. 19-12, incl. 14,730 cu.yd. excav., 55,238 sq.yd. gravel or stone gravel, 4,818 mi. State Trunk Line Rd. 19-9, Sect. B, 19,957 cu.yd. excav., 45,114 sq.yd. gravel; 1.982 mi. State Trunk Line Rd. 19-9, Sect. A, 8,997 cu.yd. excav., 9,706 sq.yd. asphalt, concrete or bituminous concrete and 11,672 sq.yd. gravel, 1,080 lin.ft. concrete curb and gutter; State Trunk Line Rd. 27-9, 4.565 mi. Sect. B, 14,173 cu.yd. excav., 42,846 sq.yd. gravel or stone gravel, 1.5 mi. Sect. C, 8,382 cu.yd. excav., 14,940 sq.yd. asphalt, concrete or bituminous concrete, 4,694 sq.yd. gravel or stone gravel; 5.97 mi. State Trunk Line Rd. 27-9, Sect. A, 15,415 cu.yd. excav., 56,037 sq.yd. gravel or stone gravel, all Sanilac Co.

Michigan—May 18, by State Hy. Dept., Lansing, grading and surfacing 2.966 mi. State Line Rd. 33-5, Oscoda Co., 17,463 cu.yd. excav., 27,837 sq.yd. gravel. L. H. Belknap, ch. engr.

Ill., Oregon—May 11, by Ogle Co., grading and gravel surfacing 1.75 mi. Sect. 15-D Rd., Lafayette Twp., near Rochelle, 10,355 cu.yd. excav., 16,290 sq.yd. gravel and 187 cu.yd. concrete in bridges. A. Anderson, co. supt. highways.

Wisconsin—May 9, by Wisconsin Hy. Comn., at div. office 8, First Natl. Bank Bldg., Superior, Chetek-Barron Rd., Federal

Streets and Roads (Continued)

Aid Project 264, Barron Co., 17.51 acres clearing, 82,066 cu.yd. earth excav., 2,624 cu.yd. borrow, 5,735 lin.ft. intercepting ditches to be excavated; Superior-Solon Springs Rd., Federal Aid Project 113, 467 cu.yd. earth excav., 1,400 sq.yd. concrete surfacing, contractor will be required to provide all barricades and possibly to keep night watchman on job to prevent travel from going through. A. R. Hirst, Madison, highway engr.

Wisconsin—May 11, by State Hy. Comn., at div. office 7, Rhinelander, .42 mi. Eagle River-Arbor Vitae Rd., Federal Aid Project 282, Vilas Co., 2.42 acres clearing, 1.53 acres grubbing, 4,298 cu.yd. earth excav., 628 cu.yd. gravel surfacing, etc.; 1.07 mi. Mellen-Upson Rd., Federal Aid Project 1007, Iron Co., 6.45 acres clearing, 3.9 acres grubbing, 4,638 cu.yd. earth excav., 2,070 cu.yd. rock, 292 cu.yd. borrow, etc.; 3.05 mi. Rhinelander-Tomahawk Lake Rd., Federal Aid Project 296, Oneida Co., 7.71 acres clearing, 7.19 acres grubbing, 19,366 cu.yd. earth excav., 1,695 cu.yd. borrow, 5,670 lin.ft. gravel surfacing. A. R. Hirst, Madison, highway engr.

Wis., Watertown—May 15, by F. S. Weber, city clk., concrete paving River Dr., 3rd and Nashotah Sts., 3,800 cu.yd. excav., 4,600 lin.ft. combined concrete curb and gutter, 3,010 sq.yd. concrete pavement with reinforcing, 6,700 sq.yd. concrete pavement with reinforcing. A. Kraeft, City Hall, engr. Noted March 23.

Ia., Decorah—May 9, by Auditor Winneshiek Co., grading, and necessary bridge work, on 15.437 mi. Primary Rd. Project 121, Sects. A, B, C, D, E and G, between here and east and west county lines, 152,127 cu.yd. earth, 6,226 cu.yd. solid rock and 952 cu.yd. loose rock excav., 90,672 lin.ft. 6-24 in. tile, etc. F. W. Arneson, co. engr.

Minn., Crookston—May 16 by Polk Co., 10 mi. Job 2202, State Rd. 2, 6 acres clearing, 7 acres grubbing, 90,552 cu.yd. excav., 51,228 cu.yd. overhaul, 500 cu.yd. ditch, 1,512 lin.ft. 12-24 in. culvert, etc.; 5 mi. Job 2201, State Rd. 1, 50,178 cu.yd. excav., 900 cu.yd. channel change, 45,604 cu.yd. overhaul, 847 lin.ft. 12-24 in. culvert; 5.6 mi. Job 2104, State Rd. 9, 28,080 cu.yd. excav., 20,531 cu.yd. overhaul, etc. $38,000. E. H. Harding, Crookson, engr. Noted Nov. 24.

Minn., Glenwood—May 9, Auditor Pope Co., grading Job 2201, 57,225 cu.yd. earth and 400 cu.yd. loose rock excav., 78,131 cu. yd. overhaul, 775 lin.ft. 12-36 in. culverts; Job 2202, 34,238 cu.yd. earth and 100 cu.yd. loose rock excav., 43,744 cu.yd. overhaul; Job 2203, 7,422 cu.yd. earth excav., 3,222 cu.yd. overhaul, etc. $26,000. F. E. Shepherd, Glenwood, engr.

Minn., Minneapolis—May 16 (change of date), by A. P. Erickson, aud. Hennepin Co., concrete paving 5.5 mi. Cedar Ave. Rd. from city limits to Minnesota River. $130,500 to $145,000. E. E. Terrell, co. surv. Noted April 6.

Minn., St. Paul—May 8, by H. W. Austin, city purch. agt., paving State St. from Oakdale Ave. to Robert St. and Robert St. from Gates St. to south city limits, 10,801 sq.yd. 3 in. vertical fibre brick, 2,160 bbl. portland cement, 1,500 cu.yd. crushed rock or gravel, 900 cu.yd. concrete sand, 162 cu. yd. crushed rock or gravel for curbing, 129,612 lb. asphalt filler, etc.; Stryker Ave. from Winifred to Augusta Sts. and Augusta St. from Stryker Ave. to Dodd Rd., Dodd Rd. from Augusta St. to south city limits, 9,697 sq.yd. 3 in. vertical fibre brick, 1,910 bbl. portland cement, 1,389 cu.yd. crushed rock or gravel, 116,364 lb. asphalt filler. Bids asked for (a) furnishing all material and labor, (b) furnishing material only, work to be done by force account on percentage basis. O. Claussen, city engr. Noted Jan. 26.

Neb., Lincoln—May 13, by T. Berg, clk., paving, curbing and guttering 2,640 lin.ft. Q St. from 37th to 44th Sts., Dist. 459, sheet asphalt; 1,055 lin.ft. 26th St., Washington to C Sts., Dist. 476, asphaltic concrete; 663 lin.ft. 37th St., Dist. 474, 1,460 sq.yd. asphaltic concrete and 1,312 lin.ft. combination curb and gutter; 1,181 lin.ft. 22nd St. from W to Vine Sts., Dist. 475, 1,810 sq.yd. sheet asphalt and 1,181 lin.ft. combination curb and gutter. G. E. Bates, city engr.

Neb., Omaha—May 23, 84,872 sq.yd. paving, various types. L. Adams, Omaha, engr.

Missouri—May 12, by State Hy. Dept. at div. office Canton, 8.37 mi. road from Canton, southward and westward, Federal Aid Project 38 and 7.94 mi. road northward and southward through La Grange Special Rd. Dist., Federal Aid Project 39, both Lewis Co. A. Graham, Jefferson City, state highway engr. Noted April 27.

Ark., Hope—May 17, by Bd. Comrs. Street Impvt. Dist. 1, c/o A. L. Betts, secy., paving and sewers in various streets. E. F. Petersen, engr.; adv. this issue.

Wash., Yakima—May 16 by Yakima Co., grading and paving 5 mi. Inland Empire Highway. W. C. Marion, Yakima, engr.

California—May 15, by State Hy. Comn., Sacramento, surfacing with asphaltic concrete 10.9 mi. highway between Sects. 29 and 30, T 31 S., R 28 E, M.D.M. and M. and Bakersfield, Kern Co.; 0.3 mi. highway in town of Williams, Colusa Co. A. B. Fletcher, state highway engr.

California—May 22, by State Hy. Comn., Sacramento, paving 10 mi. highway between east boundary of Alameda Co. and Greenville, Alameda Co., asphaltic concrete and concrete shoulders; 17.2 mi. highway between Junction Pumping Station and Harts, Kern Co., bituminous macadam; grading 5.8 mi. highway between Three Rivers and Sequia Natl. Park, Tulare Co. A. B. Fletcher, state highway engr.

Cal., Merced—May 15, improving 23rd St., 136,923 grading and paving 4.831 lin.ft. concrete curbs; 1st St., 19,200 sq.ft. grading and paving, 790 lin.ft. concrete curbs; J St. and alleys 85, 110, 111, 121, 122, 148, 160 and 188, 158, 931 sq.ft. grading, 96,000 sq.ft. alley paving and 62,913 sq.ft. street paving, 3,624 lin.ft. concrete curbs, 6,300 lin.ft. wooden curbs; 13th, 14th and 15th Sts., 161,580 sq.ft. paving and grading, 7,136 lin.ft. concrete curbs; 16th St. and alley in Blocks 142, 166 and 184, 32,314 sq.ft. grading, 23,599 sq.ft. alley paving, 8,715 sq.ft. street paving, 575 lin.ft. concrete curbs, 2,400 lin.ft. wooden curbs. All paving to be 1½ in. warrenite on 3½ in. asphaltic concrete except alleys which will be paved with 1½ in. warrenite on 2½ in. asphaltic concrete. C. D. Martin, Merced, engr.

Cal., Santa Cruz—May 11, by Supervs. Santa Cruz Co., paving with concrete or macadam 3.929 mi. Watsonville-Chittenden Rd., Div. 1, Contr. 10; 3.459 mi. Ben Lomond-Boulder Creek Rd., Div. 3, Contr. 11; 1.36 mi. Watsonville-Chittenden Rd., Div. 1, Contr. 12; 0.62 mi. Watsonville-Chittenden Rd., Div. 1, Contr. 13; 0.72 mi. City of Aptos, Div. 2, Contr. 14; 0.1 mi. City of Soquel, Div. 2, Contr. 15. L. Bowman, surv. Noted March 30.

Quebec—May 12, by Provincial Hy. Dept., Quebec, 23 mi. Lewis-St. Lambert Highway, gravel and macadam; 27 mi. Montreal-Sherbrooke Highway, macadam, St. Hyacinthe-Rougemont Highway, macadam. Noted April 27.

Ont., Chatham—May 8, by H. Fuller, city engr., 12,000 sq.yd. concrete base course and curbing, also sheet piling baffling and curbing, also steel sheet piling baffling system in waterworks sedimentation basin.

BIDS RECEIVED

New York—H. S. Sisson, comr. State Hy. Comn., Albany, opened bids April 25, improving (1) 3.79 mi. Chautauqua-Mayville, Highway 1617, Chautauqua Co., (2) 4.36 mi. Hancock-Long Eddy, Part 1, Highway 5671, Delaware Co., (3) 5.08 mi. Frankfort-Gulph, Highway 1346, Herkimer Co., (4) 5.54 mi. Geneseo-Lakeville, Highway 8096, Livingston Co., (5) 4.58 mi. Cazenovia-Chittenango, Part 2, Highway 1627, Madison Co., (6) 3 mi. Glen-Mill Point-Deforest Corner, Part 1, Highway 1618, Montgomery Co. (7) 3.52 mi. Palermo-Mexica, Highway 1628, Oswego Co., (8) 5.01 mi. Guilderland-Duanesburg, Part 2, Highway 8097, Schenectady Co., (9) 3.29 mi. Kanona-Prattsburg, Part 1-B, Highway 1624, Steuben Co., (10) 3.93 mi. Smithboro-Nichols-Wappasening, Highway 1615, Tioga Co., from Oatka Eng. & Constr. Co., Inc., Warsaw, (1) $112,874; Skinner, Nicol & Bailey, Westfield, (1) $116,605; G. W. Chambers, 40 Tremont St., Rochester, (1) $116,928, (5) $141,821; Jackson Bros., Port Jervis, (2) $122,934; S. Van Wagenen, Inc., Rondout, (2) $130,503; R. Hopkins Co., Albany .(2) $133,377; J. Walker Constr. Co., Albany, (3) $131,634, (8) $193,421; A. J. Rockwood, Rochester, (3) $142,383; Ward & Tully, Inc., 189 Montague St., Brooklyn, (3) $143,185; J. M. Murray, LeRoy, (4) $131,614; Greenfield Constr. Co., 89 Main St., Hornell, (4) $133,092, (9) $80,380; H. C. Schroeder, Rochester, (4) $134,080; J. F. Paddelford, North Main St., Sherburne, (5) $138,545; F. A. Potter, Utica, (5) $139,694, (7) $70,844; A. V. Manly, 32 Cortland St., Norwich, (6) $64,981; H. A. Schaupp, Inc., Albany, (6) $72,793; W. C. Tryon, Herkimer, (6) $72,857; Scott Bros., Arlington Blk., Rome, (7) $70,204; C. D. Murray, Syracuse, (7) $70,689; Amer. Pipe & Constr. Co., 112 North Broad St., Phila., (8) $191,401; Koetteritz & Blakeslee, Little Falls, (8) $193,798; P. H. Murray, Rochester, (9) $79,124; J. F. Gill, West Naples St., Wayland, (9) $82,936, (10) $89,755; Lane Constr. Corp., 37 Colony St., Meriden, Conn., (10) $[illegible]429; F. W. Hamilton, Rochester, (10) $108,892. Contract awarded to lowest bidders on each project. Noted April 13.

N. Y., Binghamton—Bd. Contract & Supply opened bids April 26, paving Vestal Ave., (a) rein.-con., (b) topeka, (c) natural asphalt, (d) warrenite bitulithic, (e) vitr. brick, (f) sheet asphalt, from M. Barber, 180 Henry St., (a) $75,021; G. D'Angelo, Binghamton, (a) $75,095, (b) $83,133, (d) $88,647, (e) $106,995, (f) $89,690; B. L. Gabriel, 145 Leroy St., (a) $75,812; Municipal Constr. Co., U. C. N. B. Bldg., Utica, (b) $72,393, (c) $75,729, (d) $74,478, (f) $75,937; Stento & Serafini, 84 Court St., (b) $73,041, (e) $103,482; C. W. Rose Co., Binghamton, (d) $97,433.

N. Y., Buffalo—Bd. Supervs. Erie Co. opened bids April 18, constructing County Aid Highway B-13-New Oregon-Boston Rd., macadam, from Staple, Mumm & Beals Corp., Gardenville, $13,900; Meyer & Meyer Corp., Lancaster, $22,200; F. J. Downing, 245 7th St., $25,950.

N. Y., Buffalo—Erie Co. constructing Blakesly Corner Rd. Part 3, from Stapel, Mumm & Beals Corp., Gardenville, $26,450; Meyer & Meyer Corp., Lancaster, $30,490; Cold Spring Constr. Co., 833 Ellicott Sq., $34,000.

N. Y., Lockport—Bd. Supervs. Niagara Co., opened bids April 25, paving (1) 2.02 mi. Military Rd., Niagara Twp., (2) 3.33 mi. Beach Rd., (3) 12.25 mi. Lake Rd., (4) Stone Rd., Hartland, (5) 1.39 mi. Griswold St. (Gilbert Corners), from F. J. Mumm Contg. Co., 176 Best St., Buffalo, (1) $18,547; L. H. Gipp, 787 Richmond Ave., Buffalo, (1) $52,780; Roberts & Meahl, Lockport, (1) $55,637; Rossney Constr. Co., Buffalo, (2) $60,726, (4) $37,671, (5) $28,636; Robstein-Holler Co., Inc., Rochester, (2) $58,291; J. Bower, 336 Gooding St., $57,977; G. A. Hitchcock, Clymer, (3) $290,584; W. C. Rich, Youngstown, (3) $312,350; Skinner, Nichol & Baily, Westfield, (3) $310,690; F. H. Rhody, Albion, (4) $30,470, (5) $23,136. Noted April 13 and 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, opened bids May 1, paving (1) Bodine St., grading, curbing and laying sidewalks, etc., on (2) Williams St., (3) Nurge St., repaving (4) Cooper Ave., (5) Merrick Rd., repairing sheet asphalt pavement on (6) 1st and 2nd Wards of Boro, from F. J. Clancy, Corona, (1) $15,675; Welsh Bros. Contg. Co., 32 Queens St., (1) $15,712, (2) $8,297, (3) $2,960; C. Gallagher, 745 Dean St., Brooklyn, (1) $15,712, (3) $3,127; Peace Bros., Inc., 20 Main St. Flushing, (2) $8,960; Kennedy & Smith, Inc., 93 Amity St., Flushing, (1) $16,492, (2) $9,203; Tuohey & Upton, Inc., 129 Bway., Flushing, (3) $2,118; Cleveland Trinidad Paving Co., Flushing, (4) $63,164; W. J. Fitzgerald, 547 West 45th St., New York, (4) $67,188, (5) $178,140, (6) $18,714; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (4) $68,376, (5) $171,705; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (5) $234,750, (6) $24,837; Sicilian Asphalt Paving Co., 41 Park Row, New York, (6) $22,670. Noted April 27.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Municipal Bldg., opened bids April 25, paving and improving (1) central drive of Grand Blvd. and Concourse from East 161st St. and Mosholu Parkway, etc., repaving (2) East Tremont Ave., grading, setting curb, laying sidewalks, etc., on (3) Webb Ave., from Asphalt Constr. Co., 2197 Madison Ave., (1) $133,126, (2) $35,772; J. E. Gaffney, 438 East 91st St., (1) $142,749; Uvalde Asphalt Paving Co., 1 Bway., (1) $153,454; Burnside Contg. Co., 270 Burnside Ave., (2) $36,503; Astoria Contg. Co., 169 Hunter Ave., Long Island City, (2) $36,660; N. J. Farrone, 15 East 40th St., (3) $116,269; R. Hopkins Co., (3) $134,033; M. DelBalso, 660 East 221st St., (3) $152,101. Noted April 20.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids April 24, repaving East 11th St., from Uvalde Asphalt Paving Co., 1 Bway., $11,268; W. J. Fitzgerald, 547 West 45th St., $11,504; Cleveland Trinidad Paving Co., Flushing, $11,704; Leonard St., from Regan-Towers Co., 124 West 121st St., $15,705; W. J. Fitzgerald, 547 West 45th St., $15,816,

Streets and Roads (Continued)

P. J. Kearns Contg. Co., 2306 Creston Ave., $15,820. Noted April 20.

N. Y., St. George—M. J. Cahill, pres. Richmond Boro, Boro Hall, opened bids April 26, repaving (1) Bay St., (2) Richmond Terrace, from C. Vanderbilt, 24 Elizabeth St., West New Brighton, (1) Proposal A. $74,027, Proposal B $73,017, (2) Proposal A $38,139, Proposal B $37,319; Sax & Leedecke, (1) Proposal A $74,185; J. Johnson Sons, West New Brighton, (1) Proposal A $75,089, Proposal B $74,079, (2) Proposal A $38,035, Proposal B $37,515; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (1) Proposal B $45,490; J. E. Donovan, 2205 Richmond Terrace, Port Richmond, (2) Proposal A $37,879, Proposal B $37,411. Noted April 20.

Delaware — State Hy. Dept., Dover, opened bids April 26, 5.137 mi. road from Glasgow to Bear, Contr. C-N 6, from D. E. O'Connell & Son, Ridley Park, Phila., $148,815, B. Franklin, Jr., Crozer Bldg., Phila., $152,309, A. Mignatti, 321 Duncannon St., Phila., $152,653; 0.71 mi. road through Millsboro, Contr. CS-15, (a) 1,100 cu.yd. excav., (b) 1,200 cu.yd. borrow, (c) 1,300 cu.yd. concrete pavement, (d) 270 ton water bound macadam, (e) 20 cu.yd. concrete, from W. T. Staats, 523 Diamond St., Phila., (a) $1, (b) $1, (c) $12.78, (d) $5.26, (e) $23, etc., total $21,804, Collins & Ryan, Millsboro, Del., (a) $1.25 (b) $1.15, (c) $13.03, (d) $4.80, (e) $20, etc., total $22,237, B. Franklin, Jr., Crozer Bldg., Phila., (a) $0.80, (b) $0.80, (c) $13.50, (d) $5, (e) $20, etc., total $22,388. 3.33 mi. road from Cokesbury to Coverdale Cross Rds., Contr. CS-17, from B. Franklin, Jr., Crozer Bldg., Phila., $104,227, Field, Barker & Underwood, Commercial Trust Bldg., Phila., $110,350, Fish Bros., Elk Mills, Md., $111,160; 1.65 mi. from Camden to Coopers Corner, Contr. 46, (a) 10,000 cu.yd. excav., (b) 80 ton stone base, (c) 2,870 cu.yd. concrete pavement, (d) 90 tons amiesite, (e) 200 cu.yd. Class A concrete, (f) 85 ton Class B concrete, from J. A. Hirons, Dover, Del., (a) $0.90, (b) $4.50 (c) $12.70, (d) $13.90, (e) $30, (f) $25, etc., total $61,313, Empire Constr. Co., Phila., (a) $0.90, (b) $5.50, (c) $13.20, (d) $15, (e) $22 (f) $21, etc., total $61,547, Sutton Contg. Co., Phila., (a) $0.80, (b) $5, (c) $13.37, (d) $16, (e) $25, (f) $22, etc., total $62,000. Noted April 20.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids April 24, grading, bridging and paving roads with (a) brick, (b) state to furnish brick, (c) Kentucky rock asphalt, (d) asphaltic concrete, (e) rein.-con., (f) asphaltic macadam, (g) tar macadam, in following counties: Crawford Co., Sect. "L" Chatfield and "M" Columbus-Sandusky Rd., 6.256 mi., from F. L. Batdorff, Kansas, (a) $229,677, (b) $166,153; H. Candel, Chatfield, (a) $232,148; Scott Constr. Co., Lima, (a) $232,802, (b) $165,000; Doris Constr. Co., Akron, (b) $171,000. Putnam Co., Sect. "M" Lima-Ottawa Rd., 1.211 mi., from Acton Bros., Vaughnville, (a) $36,354, (b) $22,887; R. Stone Co., Lima, (a) $39,074, (b) $24,808; G. B. Walther, 504 Opera House Blk., Lima, (a) $41,029, (b) $27,000; Scott Constr. Co., Lima, (c) $26,786; J. W. Carey, Ada, (c) $28,203; H. E. Pratt Co., Mt. Blanchard, (c) $28,497. Putnam Co., Sect. "H" Lima-Ottawa Rd., 0.498 mi. from Acton Bros., Vaughnville, (a) $27,537, (b) $18,725, (c) $21,565; R. Stone Co., Lima, (a) $27,916, (b) $19,107; Scott Constr. Co., Lima, (a) $27,079, (b) $18,973, (c) $19,969; J. W. Carey, Ada, (c) $21,720. Sandusky Co., Sect. "A" Toledo-Elmore Rd., 2.278 mi., from Seneca Constr. Co., Kansas, (a) $93,074, (b) $67,492, (d) $85,184, (e) $74,611; A. G. Witte & Sons, Elmore, (a) $94,813; LaBaiteaux & Hayes, Toledo, (a) $96,809, (b) $71,227; Homeberger & Wagar Co., Feick Bldg., Sandusky, (b) $70,000, (e) $72,400; Modern Constr. Co., Fremont, (d) $87,593; Wise Bros. & Burman, Elmore, (d) $87,458; Watts Suhrbier Co., 1235 Miami St., Toledo, (e) $71,494. Union Co., Sect. "H" Marysville-Kenton Rd., 4.139 mi., from L. G. Rockholt, West Mansfield, (f) $83,296, (g) $84,168; O. Johnson, West Mansfield, (f) $87,718, (g) $88,590. Washington Co., Sect. "L" Marietta-Caldwell Rd., 3.727 mi., from W. M. Gray, Columbus, (e) $88,527. Noted April 20.

O., Akron—E. A. Zeisloft, dir. Pub. Serv. opened bids April 26, paving 1 mi. Newton St., from V. Olsen Co., Youngstown, $92,200; T. E. McShaffrey Co., Forge St., Akron, $92,300. Noted April 13.

Mich., Detroit—Paving with sheet asphalt (1) John R St. from north line of Seven Mile Rd., (2) Beaver St. from McKinley to Vinewood Aves., (3) Clements Ave. from 12th St. to Linwood Ave., (4) Duncan Ave. from Van Dyke to Maxwell Aves., (5) Geneva Ave. from Log Cabin Ave. to Highland Park, (6) G. A. R. St. from Hammond to Military Aves., (7) LeMay Ave. from Shoemaker to Harper Aves., (8) Omira Ave. from Six Mile Rd. to Nevada Ave., (9) Ogden Ave. from Arnold to Michigan Aves., (10) Renville Ave. from Arnold to Michigan Aves., (11) Reisman Ave. from Crawford to Rademacher Aves., (12) Wilson Ave. from Boston Blvd. to Glynn Court, from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $86,538, (2) $4,326, (3) $29,984, (4) $6,269, (5) $6,681, (6) $4,120, (7) $26,794, (8) $26,012, (9) $9,603, (10) $8,752, (11) $5,816, (12) $4,102; Willite Rd. Constr. Co., 600 Griswold St., (1) $85,096, (3) $29,695, (7) $27,977, (8) $27,017; P. M. Lau Co., Pontiac, (1) $86,788; Andrews Asphalt Paving Co., 717 Rentschler Bldg., Hamilton, O., (2) $5,341, (4) $8,289, (5) $7,951, (6) $5,147, (9) $12,495 (10) $11,556, (11) $7,685, (12) $4,633; Cleveland Trinidad Paving Co., 402 Hammond Bldg, (2) $4,404, (3) $28,837, (4) $6,605, (5) $6,407, (6) $4,153, (7) $28,639, (9) $10,123, (10) $9,262, (11) $6,225, (12) $3,908; G. R. Cooke, 1260 Penobscot Bldg., (8) $25,896.

Wis., Monroe—Green Co. opened bids April 25, Browntown relocation, from J. Marsch, 1302 Wrightwood Ave., Chicago, $20,783; gravel surfacing Twin Grove-Monroe Rd., town of Jefferson, from E. M. Rocho, Freeport, Ill., $3,995; Albany-Monticello Rd., Mt. Pleasant, Albany-Broadhead Rd., Albany, from H. Johnson, Monroe, $1,493 and $1,278 respectively; Albany-Monroe Rd., Monroe, from P. W. Ryan & Son, Janesville, $3,060; State Line-Monroe Rd., from C. L. Finley, Janesville, $18,747. Noted April 20.

Montana—State Hy. Dept., Helena, grading and gravel surfacing 4.36 mi. Federal Aid Project 169, Proposal A, from Three Forks, east, Gallatin Co., 43,000 cu.yd. excav., 7,878 cu.yd. surfacing, 62 cu.yd. concrete, etc., from H. Downer, Deaver, Wyo., $30,654; James & Mills, 314 Chaucer St., Helena, $35,350; Walker & Anderson, Roundup, $36,696.

Minn., St Paul—H. W. Austin, city purch. agt., opened bids April 17 widening Robert St. from Central Ave. to University Ave., University Ave. from Robert St. to Park Ave. from Thornton Bros. Co., 304 Central Bank Bldg., $59,887, W. M. Murphy & Son, 616 Endicott Bldg., $68,653; C. F. Sculley Equipment Co., 300 Dakota Bldg., $73,235. Noted April 13.

Minn., St. Paul—Paving (1) White Bear Ave. from Kerwin St. to Larpenter Ave., rein.-con., (2) Como Ave. from Hamline Ave. to Snelling Ave., creosoted wood block, (3) Kerwin St. from White Bear Ave. to Hazel Ave. and Stillwater Rd. from Hazel Ave. to east city limits, rein.-con. (4) Bohn St, from Syndicate Ave. to Griggs St., concrete (5) Syndicate Ave. from Bohn St. to end of present paving, concrete, (6) Plato Ave. from Wabasha St. to South Robert St., vertical fibre brick, (7) Lafond St. from Snelling Ave. to Aldine St., sheet asphalt, (8) Vandalia St. from Chicago, Milwaukee & St. Paul R.R. tracks to University Ave., creosoted wood block and fibre brick, from E. M. Ganley Constr. Co., Inc., 1002 Plymouth Bldg., Minneapolis, (1) traprock $54,798, gravel $50,638, limestone $50,473, (3) traprock $37,333, gravel $34,740, limestone $34,520; Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, (1) traprock $57,795, gravel $54,723, limestone $53,193, (3) traprock $37,079, gravel $35,243, limestone $34,311; Fielding & Shepley, 216 University Ave., (1) traprock $61,267, gravel $54,676, limestone $56,088, (2) with headers $43,290, without $42,058, (3) traprock $37,488, gravel $33,474, limestone $34,334 (4) traprock $4,753, gravel $4,246, limestone $4,356, (5) traprock $2,614, gravel $2,403, limestone $2,461, (6) $20,431, (7) $12,173, (8) $26,022, Thornton Bros. Co., 304 Central Bank Bldg., (2) with headers $46,401, without $45,533, (6) $23,000, (8) $27,756; Feyen Constr. Co., 277 Burgess St., with headers $46,960, without $45,700, (6) $21,000, (8) $28,700; C. F. Sculley Equipment Co., 300 Dakota Bldg., (4) traprock $5,998, gravel $5,704, limestone $5,854, (5) traprock $3,199, gravel $3,042, limestone $3,117; White Constr. Co., 17 North La Salle St., Chicago, (7) $11,500. Noted April 13.

Minn., St. Paul — Ramsey Co., grading and concrete paving 2.6 mi. New Brighton Rd. from South Snelling Ave. to west town line, 30,690 sq. yd. paving, 13,882 cu. yd. excav., 19,923 cu. yd. overhaul, etc. Bids taken on (a) gravel on subgrade (b) gravel at central plant (c) traprock on subgrade (d) traprock at central plant (e) granite on subgrade (f) granite at central plant from Fielding & Shepley, 216 University Ave., (a) $64,252 (b) $64,866 (c) $71,921 (d) $73,152 (e) $73,152 (f) $74,380; E. M. Ganley Constr. Co., Inc., 1002 Plymouth Bldg., Minneapolis, (a) $69,829 (b) $71,978 (d) $75,353; C. F. Sculley Equipment Co., 300 Dakota Bldg., (b) $68,609 (c) $74,746; Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, (a) $68,903 (b) $71,050 (d) $75,962. Noted April 6.

Minn., St. Paul—Ramsey Co., grading and gravel surfacing 6 mi. Rich Valley Rd. from State Rd. 6 to State Highway 53, and 2.5 mi. State Rd. 5 from State Rd. 6 to State Highway 50, Dakota Co., 113,000 cu. yd. earth excav., 17,000 cu.yd. loose rock, 13,600 cu.yd. gravel, 385 cu.yd. concrete for bridge and culverts, from S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, $67,045; J. J. and M. S. Mergens, 403 Kasota Bldg., Minneapolis, $67,642; Peterson Constr. Co., 209 Globe Bldg., Minneapolis, $68,840.

Missouri—State Hy. Dept. at div. office Butler, opened bids April 18, 5.142 mi. East and West State Rd., State Aid Project 20.151, Bates Co., from Linn, Hull & Barr, Butler, $17,280; C. T. Fogle, Jefferson City, $17,883; J. W. Rook Constr. Co., Butler, $18,872. Noted April 6.

Missouri—State Hy. Dept. at div. office Moberly, opened bids March 30, 1.549 mi. road from Moberly to Huntsville, Federal Aid Project 186, Randolph Co., (1) 4,884 cu.yd. earth excav., (2) 16,356 sq.yd. combination concrete header curb and base course, (3) 15,448 sq.yd. vitr. brick surface course, bituminous filler, etc., from Lynch-McDonald Constr. Co., Moberly, (1) $0.50, (2) $1.47, (3) $1.85, total $56,441; J. E. McMahon, St. Louis, (1) $0.50, (2) $1.43, (3) $2.03, $58,601; Carterville Constr. Co., Carterville, (1) $0.50, (2) $1.59, (3) $1.85, $58,555.

Missouri—State Hy. Dept. at div. office Oregon, opened bids April 13, 7.351 mi. road north, south, east and west through Holt Co., State Aid Project 20.37, Holt Co., (1) 74,942 cu.yd. earth excav., (2) 7,693 cu.yd. borrow, etc., from Allison & Dillingham, (1) $0.26 per cu.yd., (2) $0.20, total $29,758; T. J. Morris & Co., Carmi, Ill., (1) $0.265, (2) $0.265, $33,152; A. T. Cook, Ottawa, Kan., (1) $0.29, (2) $0.22, $36,488. Noted March 30.

Colorado—State Highway Dept., Denver, paving 2.012 mi. Sante Fe Trail, Federal Aid Project 166, extension of Federal Aid Project 96, 18 ft. plain cement concrete, from C. C. Madsen, 465 Williams St., Denver, $60,864; Monaghan & Cunningham, 1710 Market St., Denver, $66,053; A. S. Hall & Son, Fowler, $66,610.

Col., Denver—Paving (1) 12 blocks Alley Paving Dist. 74, (2) 12 blocks Alley Paving Dist. 67, (3) 12 blocks Alley Paving Dist. 75, all with 6 in. concrete, from J. V. Stryker, 1507 Blake St., (1) $22,585, (2) $16,131, (3) $15,076; W. F. Pigg & Son, Engineers Bldg., (1) $23,128, (2) $16,450; W. W. Axton Constr. Co., 4437 Alcott St., (1) $23,478, (2) $16,772, (3) $15,537; R. M. Larson, 1309 Kalamath St., (3) $16,085.

Cal., Monterey—Grading and paving with 4 in. concrete and 2 in. bituminous surface Franklin St. between Alvarado and High Sts., grading, curbing and paving with 5 in. concrete Franklin St. between Hyde and Cedar Sts., from Grant-Smith Co., Balboa Bldg., San Francisco, $75,131; S. Ruthven, Monterey, $78,166.

Cal., San Ansolmo—Grading and paving various streets, from S. P. Brownlee, 2nd and A Sts., San Rafael, $34,000. Noted April 6.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, paving State Highway, Southwick, bituminous macadam, to Cenendella Co., Milford, $301,531. Noted April 6.

Mass., Fitchburg—Dept. Pub. Wks. will repair permanent pavements and pave various streets, waterbound macadam, by day labor. $150,000.

Mass., Springfield—Hampden Co., paving and finishing work on eastern approach to new Connecticut River Bridge, to Adams & Ruxton Constr. Co., 33 Lyman St., $100,000.

New York — See "Streets and Roads under Bids Received."

New York—H. S. Sisson, comr. State Hy. Dept., Albany, improving 4.31 mi. Highway 8095, Corland Co. to Hoose-Carli Constr. Corp., Afton, $121,910; 3.9 mi. Highway 1626, Erie Co., to Peoples Paving Co., 85 Roma Ave., Buffalo, $123,140; 3.38 mi. Highway 1577, Jefferson Co. and 6.44 mi. Highway 1616, Lewis Co., to Vass &

Streets and Roads (Continued)

Hollenbeck, Ft. Covington, $90,896 and $114,951 respectively; 0.57 mi. Highway 5673, Oneida Co., to N. D. Peters & Co., 216 Kossuth Ave., Utica, $15,673; 1.28 mi. Highway 1640, Tompkins Co., to S. K. Johnson, Norwich, $64,921; 3.07 mi. Highway 1623, Tompkins Co., to W. Hasard, Ithaca, $92,532; 0.89 mi. Highway 1622, Wyoming Co and repairing 4.04 mi. Repair Contr. 3010 Ontario Co., to Ford & Keyser, Batavia, $47,185 and $99,153 respectively; 1.83 mi. Repair Contr. 1351, Erie Co., to Hessell & Son, East Aurora, $24,923; 2.91 mi. Repair Contr. 1349, Livingston Co., to Goconco Eng. Co., 566 5th St., Brooklyn, $80,409. Noted April 20.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, fencing lots on south side of Atlantic Ave., to F. L. Sweeney, 665 Jefferson Ave., $695; grading, laying sidewalks, curbing and paving Bay 22nd St., to Asphalt Paving Co., 407 Hamilton Ave., $4,760; grading, curbing and flagging Creamer St., to W. E. Kelly, 703 Vanderbilt Ave., $2,443; East 9th St., to C. Gallagher, 745 Dean St., $1,955; Louisa St., to T. B. Scott, 671 Halsey St., $3,228; grading, curbing and laying sidewalks on West 10th St., to Frawley-Kaufman Contg. Co., 2 Rector St., New York, $2,870. Noted April 27.

N. Y., Buffalo—Paving 2.99 mi. east side of Military Rd., concrete, to Peoples Paving Co., 85 Roma Ave., $43,940.

N. Y., Clayton—Bd. Trustees will pave various streets by day labor under supervision of J. Kelsey, Clayton. $60,000.

N. Y., Fairport—Bd. Trustees paving 2,500 ft. West Ave., bitulithic, to A. A. Howard, 38 East Ave., $27,152. Noted April 13.

N. Y., Johnstown—G. E. Yerdon, city clk, paving Hoosac and Clinton St., to J. C. Connors Co., Inc., 424 State St., Schenectady, $17,409 and $27,356 respectively. Noted March 30.

N. Y., Lowville—Lewis Co. will construct new bituminous macadam highways and resurface several miles old macadam highways, by day labor, under supervision of L. P. M. Gaylord, co. supt. highways. $150,000.

N. Y., New York—J. Miller, pres. Manhattan Boro. Municipal Bldg., to J. Meehan & Son, 74 Cortlandt St., repaving 7th Ave., $141,283, West Bway., $38,371, West Houston St., $41,144; to W. J. Fitzgerald, 547 West 45th St., 16th St., $10,156; to J. E. Gaffney Co., 50 East 42nd St., East 69th St., $16,099, Madison Ave., $30,500; to P. T. Cox Contg. Co., 154 Nassau St., building sidewalks on ends of park strips of Park Ave., etc., $14,113. Noted April 27.

N. Y., Rochester—Good Rds. Comm. Bd. Supervs. Monroe Co. paving Long Pond Rd., to F. W. and J. J. Crough, 84 Bronson Ave., $42,122. Noted April 13.

N. Y., Rochester—See "Railways under New York."

N. Y., Rochester—To Rochester Vulcanite Pavement Co., Rochester, paving Wolf St., $4,531, Karnes St., $11,449, Rogers St., $16,931, Milton St., $20,014; to Whitmore, Rauber & Vicinus, 279 South Ave., Colvin St., $12,037, Immel Pl., $10,310, all asphalt.

N. Y., Syracuse—Bd. Supervs. Onondaga Co. will resurface and pave various roads bituminous macadam, by day labor, under supervision of F. E. Bogardus, co. supt. To exceed $250,000.

N. J., Camden—C. F. Wise, chn. Road Com. Camden Co., resurfacing Eversham Rd., to W. C. Evans, Ambridge, Pa., $62,482; asphalt surfacing Marlton Pike, to Union Paving Co., 30th and Locust Sts., Phila., $117,685; repaving Sect. 9, White Horse Pike and grading and paving Sect. 10, White Horse Pike, to J. A. Kelly, Pennsylvania Bldg., Phila., $200,593 and $297,724 respectively; White Horse Pike, to W. P. Corson, 506 Haddon Ave., $269,645. Noted April 13.

N. J., Somerville—Somerset Co. paving Route 9, Sect. 5, Union Ave. through Bound Brook, to Utility Constr. Co., 5 Spring St., New Brunswick, 97.38% engineers estimate ($95,594). Noted April 27.

W. Va., Huntington—Bd. Comrs. paving 1 mi. Latulle Ave., to L. Blas, Huntington, $31,614; 0.8 mi. Dalton Ave., to J. Ullom, Huntington, $30,282; 0.8 mi. Buffington St., to Harrison & Dean, 322½ 9th St., $22,439. Noted March 30.

North Carolina—State Hy. Dept., Raleigh, grading and rein.-con. paving 4.19 mi. State Project 428, Granville Co., to Pittman Constr. Co., Rhodes Bldg., Atlanta Ga., $129,670; grading and concrete paving 10.12 mi. State Project 790, Yadkin Co., to Pittman Constr. Co., Rhodes Bldg., Atlanta, Ga., $280,112; 7.11 mi. State Project 677, Scotland and Robeson Counties, to P. R. Ashby, Tucker Bldg., Raleigh, $230,476; grading, penetration macadam paving and rein.-con. bridges and culverts on 3.88 mi. State Project 493, Warren Co., to Porter & Peck, Greenville, $70,788; clearing, grading and waterbound macadam paving, 13.6 mi. State Project 378, Pender Co., to C. W. Lacy, Wilmington, $194,094; clearing, grading and topsoiling 12.59 mi. State Project 138 A, Halifax and Northampton Counties, to N. L. Teer, Durham, $112,082, rein.-con. culverts and bridges to Richards Bros., Raleigh, $7,655; grading and sand-clay surfacing 10.4 mi. State Project 544, Hoke Co., to O. A. Mann & Co., La Grange, Ga., $22,908, rein.-con. bridges and culverts to Chitwood & Carpenter, Columbia, S. C., $6,588. Noted April 13.

N. C., Lockport—Paving Vine St. between East Ave. and tracks of New York Central R.R., concrete and Vine St. between tracks of New York Central R.R. and Market St., brick, to Bewley-O'Reilly Co., Lockport, $27,549.

N. C., Lumberton—Paving various streets and sidewalks to Southern Paving Constr. Co., Vol. Life Bldg., Chattanooga, Tenn., $80,000. Noted April 13.

Fla., Tampa—Paving and curbing South Albany, Packwood and Grand Central Sts., 11,600 sq.yd. asphalt block, 7,540 lin.ft. concrete curbing, to J. G. Yeats Co., Port Tampa, $30,457. Noted April 6.

Ala., Birmingham—Surfacing 1 mi. 2nd Ave. from 6th Pl. to 14th St., asphalt on concrete, to S. E. Dunn Constr. Co., Birmingham, $49,742; track paving on 8th Ave. N., to Birmingham Ry. Light & Power Co., 1st Ave., $18,590; paving 24th St. from Ave. F. to Ave. G, to H. N. Bowdry, Empire Bldg., $4,934; 1 block Fulton Ave., asphalt on concrete, to W. F. Bromhold, Birmingham, $4,222.

Ala., Tuscaloosa—Paving 1.5 mi. various streets, 30,000 sq.yd. concrete, to J. A. Taylor, Tuscaloosa, $63,965.

Ky., Princeton—Comrs. Caldwell Co. improving and surfacing 5 mi. Princeton-Cadiz Rd., to Corum Bros., Madisonville, $30,690. Noted April 27.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Jackson Co., Sect. "L and M" Chillicothe-Jackson Rd., 4.318 and 1.921 mi., rein.-con., to O. M. Junk, Chillicothe, $189,962. Miami Co., Sect. "D" Greenville-Covington Rd., 3.875 mi., rein.-con., to Gluss Bros. Co., Hamler, $100,616. Miami Co., Sect. "A" Piqua-Covington Rd., 4.235 mi., rein.-con., to Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, $102,722. Geauga Co., Sect. "A" Hampden-Andover Rd., 2.18 mi., waterbound macadam, to Keener & Betts, Madison, $42,119. Muskingum Co., Sect. "P" Zanesville-Dresden Rd., 3.91 mi., brick, to Billiter & Oliver Bros., Cincinnati, $137,720. Trumbull Co., Sect. "L" Niles-Ashtabula Rd., 3.13 mi., brick, to E. A. Freshwater & Sons, Bucyrus, $131,480. Trumbull Co., Sect. "B" Painesville-Warren Rd., 7.38 mi., brick, to Mahoning Constr. Co., Warren, $212,033. Fairfield Co., Sect. "G" Lancaster-Newark Rd., 3.05 mi., asphaltic macadam, oil, to W. C. Moore, Marysville, $69,846. Hancock Co., Sect. "Van Buren" Findlay-Bowling Green Rd., 0.5 mi., bituminous concrete, oil, to Thompson-O'Roark Co., Toledo, $26,514. Noted April 20 and 27.

O., Cleveland—Grading, curbing and paving Joan Ave., to Cleveland Trinidad Paving Co., The Arcade, $10,845; Caine Ave., to Rieley Bros., The Arcade, $36,546. Noted April 20.

O., Columbus—W. H. Duffy, Dir. Pub. Serv. grading, curbing, laying water mains and paving 5,900 ft. 3rd St., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $104,332; 8,000 ft. Neil Ave., to Franklin Asphalt Paving Co., 209 South High St., $111,420. Noted April 20.

O., Euclid—Grading and laying sidewalks on Mayfield, Elmwood, Winston and Ardmore Rds., to V. Q. Galier, Builders Exch., Cleveland, $33,519. Noted April 27.

O., Lakewood (Cleveland, P. O.)—Grading and paving Bayes Ave., to Highway Constr. Co., Elyria Blk., Elyria, $27,101. Noted April 27.

O., Warren—Paving 1,180 ft. Hillsdale Dr., 2,590 sq.yd. vitr. brick on 8 in. slag, and 2,500 lin.ft. stone curb, to F. George, 1657 Mahoning Ave., Youngstown, $18,796; 2,700 ft., Hall Ave., 10,200 sq.yd. vitr. brick on 6 in. concrete, to Turner Contg. Co., Builders Exch., Youngstown, $46,872; 1,250 ft. Mason St., 2,828 sq.yd. vitr. brick on 8 in. slag, to F. Geiger, 7 School St., $14,583; 1,195 ft. East Ave., 3,300 sq.yd. vitr. brick on 8 in. slag, to Smith Eng. & Constr. Co., 2nd Natl. Bank Bldg., $15,237.

Ind., Evansville—Vanderburgh Co. paving concrete to Municipal Constr. Co., Boonville, to Adams Constr. Co., Evansville, $46,432.

Ind., New Albany—Floyd Co. grading and graveling 13,321 ft. Greenville Rd., to Atkins & Saebler, 314 West 8th St., $33,007.

Ind., Princeton—Gibson Co., grading and paving 2.5 mi. Hoffman Rd., 23,464 sq.yd. concrete, to Municipal Constr. Co., Boonville, $84,000. Noted March 30.

Michigan—State Hy. Dept., Lansing, grading and surfacing 9.829 mi. Federal Aid Project 29, Sect. A, Calhoun Co., to W. H. Frederick & Co., Bronson, 21,680 cu.yd. earth excav., $0.40, 197.3 cu.yd. 1:2:4 concrete, $20, 43.2 cu.yd. 1:3:6 concrete, $15, 41,753 sq.yd. concrete pavement, $1.40, 62,630 sq.yd. concrete pavement, $1.25, etc., total $156,160. Noted April 6.

Michigan—State Hy. Dept., Lansing, grading and surfacing 4.469 mi. State Trunk Line Rd. 32-2, Sect. C, Otsego Co., to J. Decher, Rogers, 34,854 cu.yd. excav. $0.44, 34.8 cu.yd. 1:2:4 concrete $18., 41,937 sq.yd. gravel, $0.75, etc., total $50,166. Noted April 13.

Michigan—State Hy. Dept., Lansing, grading and surfacing 3.182 mi. Federal Aid Project 47, Sect. A, Cass Co., to Holmes, Crane & Bartling Alma, 167.45 sta. grading, $8, 96 cu.yd. 1:2:4 and 129.6 cu.yd. 1:3:6 concrete, $18, 33,490 sq.yd. concrete pavement, $1.50, etc., total $65,769. Noted April 6.

Mich., Detroit—To Gustin & Co., Detroit, paving Alley 1418, $3,771, Alley 1421, $4,050, Alley 1425, $3,803, Alley 1427, $3,166, Alley 1428, $2,045; Reading Corp., 413 West Fort St., Alley 1419, $999; R. J. Powelson & Co., 6445 Iroquois Ave., Alley 1420, $2,117, Alley 1423, $2,014, Alley 1424, $1,450, Alley 1426, $2,927; J. Porath, 34 McGraw Bldg., Alley 1422, $935; Otis Cement Constr. Co., 806 Hammond Bldg., Alley 1429, $2,449.

Mich., Pontiac—Oakland Co., grading and surfacing 9 mi. John R Rd., 8 mi. to be surfaced with concrete and 1 mi. with gravel, to C. A. Handeyside Co., 1758 Penobscot Bldg., Detroit, $340,095.

Wisconsin—State Hy. Comn., Madison, to Monad Constr. Co., Green Bay, Sturgeon Bay-Ephrain Rd., Project 275, Door Co., 10,912 cu.yd. unclassified excav., $0.70, 28,933 sq.yd. bituminous macadam surfacing $1.69, etc., total $60,928, Sturgeon Bay-Forestville Rd., Project 274, Door Co., 8,252 cu.yd. unclassified excav., $0.70, 19,585 sq.yd. bituminous macadam surfacing $1.69, etc., $40,898. Noted April 13.

Wis., Appleton—Outagamie Co. State Road and Bridge Com., Seymour-Angelica Rd., to Garvey-Weyenberg Constr. Co., 812 College St., 4,176 cu.yd. earth excav., $0.70, 18,814 sq.yd. concrete surfacing $1.37, etc., total $29,852. Noted March 30.

Wis., Madison—Paving Charter, Crandall, Emmett, Fairchild, Mifflin, Mills, Milton, Gregory and Pickford Sts., rein.-con., concrete curb and gutter, to N. Quinn, 515 West Johnson St., $116,547. Noted Feb. 9.

Wis., Port Washington—Ozaukee Co., concrete surfacing, etc., 5.1 mi. Port Washington-Ulao Rd., 18 ft., to Zandala Cement Constr. Co., 1014 South 25th St., Manitowoc, $101,947.

Ia., Decorah—Grading and paving portions Water and Washington Sts., 8,653 sq. yd. concrete, etc., to Bennis & Schlick, Des Moines, $2.87 per sq.yd. Noted March 30.

Ia., Waverly—Bremer Co., grading 9.6 mi. primary road from Tripoli north and east to Summer, to Cox Bros., Dike, 105,426 cu.yd. excav. at $0.32 per cu.yd.; Cement Products Co., Waterloo, 46,201 lin.ft. 6 in. tile $0.11 per ft., 11,525 ft. 8 in. $0.16, 320 ft. 10 in. $0.20, 150 ft. 12 in. $0.335. Noted April 6.

Kan., Garden City—Finney Co. grading and concrete slab on 6 mi. Great Plains Highway, Federal Aid Project 111, to M. R. Amerman, Wichita, $173,664. Noted Feb. 9.

Streets and Roads (Continued)

Kan., Hutchinson—Paving 15 mi. Santa Fe Trail, Sects., C, D and E, Federal Aid Project 27, 18 ft., bituminous filled brick, to Stamey & Mackey, Hutchinson, $624,554. Noted March 30.

Neb., Deshler—Paving Dist. 1, to Roberts Constr. Co., 404-5 First Natl. Bank Bldg., Lincoln, 15,000 sq.yd. vitr. brick at $3.19; 5,000 sq.yd. 7 in. concrete, $2.10; 7,840 lin.ft. curbing, $0.68; 12,240 sq.ft. concrete sidewalks, $0.12, 4,000 cu.yd. grading, $0.38, etc., total $77,000. Noted March 16.

Wyo., Casper—Paving Grant and Lincoln Sts., 33,745 sq.yd. 6 in. rein.-con., 6,680 lin. ft. concrete curb, 10,000 cu.yd. excav., 2,392 ft. 27-36 in. rein.-con. and 2,911 ft. 12-20 in. vitr. sewer pipe, etc., to Lloyd Building Co., Casper, cash $111,191, bonds $122,450. Noted March 30.

Ark., Marked Tree—Poinsett Co. paving 10 mi. Ozark Trail Road Dist., 10,000 cu.yd. concrete, 420,000 sq.ft. reinforcing mesh, 24,300 lin.ft. subgrading, 24,300 lin.ft. shoulder, to Hansen Constr. Co., Blytheville, $255,000. Noted April 20.

Tex., Georgetown—Williamson Co. grading and gravel surfacing 5.9 mi. State Highway 20 from Liberty Mills to Burnett Co. line, and 6.3 mi. State Highway 2-C, in Jarrell Sect., to Hawkins & Sons, Granger, $26,408 and $33,622 respectively; 5.4 mi. various roads, to Brown & Root, Georgetown, $26,355 incl. 10% for engineering and contingencies. Noted April 13.

Utah—State Rd. Comn., Salt Lake City, paving 1.37 mi. Main St. in Springville City, connecting State Rd. sections, 7 in. concrete, to Reynolds Ely Constr. Co., Springville, $42,564. Noted March 16.

Nevada—Directors State Hy. Dept., Carson City, grading 2.5 mi., and paving 3.5 mi. Lincoln Highway from Carson to Lakeview, 30,617 sq.yd. 6 in. concrete, 1,900 cu.yd. excav., to Allston & Hoggan, Salt Lake City, Utah, $42,220. Noted April 6.

Wash., Bellingham—Paving 5.25 mi. Nooksack-Sumas Highway, 50,000 sq.yd. one course concrete, to Standard Constr. Co., Seaboard Bldg., Seattle, $102,602.

Wash., Davenport—Lincoln Co., grading, sub-grading and surfacing with crushed rock or gravel, 6.5 mi. Highway 10, to F. G. Kinder, Mansfield, $31,683.

Wash., Everett—Snohomish Co., grading and hard surfacing 1 mi. Snohomish-Machias Rd., to C. L. Laplant & Co., Sedro-Wooley, $37,967. Noted March 30.

Wash., Seattle—Paving North and East 42nd St. et al, 21,000 sq. yd. 6 in. concrete, 12,450 lin. ft. curbing, to R. G. Stevenson, 2154 Ewing St., $58,810.

Wash., Seattle—Paving, et al Bothell Way, to R. G. Stevenson, 2154 Ewing St., $51,475. Noted Apr. 20.

California—State Hy. Dept., Sacramento, grading 11 mi. highway between San Lucas and 2¾ mi. east of Long Valley School, Monterey Co., to Standard Industrial Eng. Corp., San Francisco, 56,500 cu. yd. excav., at $0.60, 24,500 cu.yd. gravel surface, $3.75, 198 cu.yd. concrete, $20, etc., total $138,831. Noted March 30.

California—State Hy. Dept., Sacramento, paving with bituminous macadam 11.7 mi. highway between Santa Rosa and Beltane, Sonoma Co., to Grant Smith & Co., 708 Balboa Bldg., San Francisco, $169,366; paving with concrete 3.6 mi. highway between San Luis Obispo Creek and Cuesta, San Luis Obispo Co., to W. A. Kettlewell & Sons, 1241 Market St., Oakland, $78,205. Noted March 30 and April 6.

Cal., Burlingame — Improving various streets in Burlingame Terrace to Pacific States Constr. Co., Call Bldg., San Francisco, $91,000. Noted March 30.

Cal., Fresno—Grading and paving Linden Ave. between Olive and Floradora Aves., 42,321 sq.ft. 3½ in. asphaltic base, 1½ in. top, to California Road & Street Improvement Co., Bank of Italy Bldg., $18,649; Wilson Ave. between Belmont and Olive, 39,501 sq.ft. paving, etc. to Frederickson & Shannon, Cory Bldg., $30,585. Noted April 20 and 27.

Cal., Los Angeles—Grading, oiling, curbing and laying sidewalks on Hyperion, Sanborn and Hoover Sts., 120,849 sq.ft. grading, oiling and rolling, 7,960 lin.ft. cement curbing, 15,872 sq.ft. concrete gutters, 42,159 sq.ft. cement sidewalks, to W. D. McCray, 424 Amer. Bank Bldg., $46,325.

Cal., Maricopa—Paving, curbing and guttering various streets, 250,000 sq.ft. 1½ warrenite on 3½ in. asphaltic concrete, etc., to Federal Constr. Co., Call Bldg., San Francisco, $115,000.

Cal., San Francisco—Improving streets in Mission Terrace, 15,980 lin.ft. concrete curbs and 300,540 sq.ft. asphaltic concrete pavement, to Fay Impvt. Co., Phelan Bldg., $96,131.

Cal., Santa Ana—Comrs. Orange Co., constructing 3¾ mi. Bolsa Blvd. and Verano St., to Wells & Bressler, California Bank Bldg., $54,190.

Cal., Santa Ana—Grading and paving with 1½ in. asphalic concrete South Parton and Van Ness Aves., to G. R. Curtis, 21440 East 26th St., Los Angeles, $65,519.

Cal., Watsonville—Constructing concrete curbs and gutters and paving with asphaltic macadam 17 blocks various streets, to Granite Constr. Co., Watsonville, $39,800. Noted March 16.

N. S., Halifax—To Stevens Constr. Co., St. John, N. B., 31,000 sq.yd. concrete sidewalks $2.40 per sq.yd., to V. Osterburg, Robie St., asphalt pavements, $360,000.

Ont., Huntsville—Paving 1 mi. Main St., tarvia macadam, to Archibald & Bowes, 122 Delaware Ave., Toronto, $25,000.

Ont., Leamington—Concrete pavements on Victoria, Albert, Orange, John, Clark and Setterington Sts., to Chick Constr. Co., McDougall Ave., Windsor, $80,624.

Ont., Orilla—For 1 mi. bitulithic pavements on Neywash and Laclie Sts., concrete curbs and gutters, to Warren Bituminous Paving Co., 54 University Ave., Toronto. $90,000.

Ont., Stratford—Paving Main, Center and Avon Sts., asphaltic concrete, to Malcolm Paving Co., Kingston, $56,300.

Ont., Toronto—Paving Coleman Ave. 6,000 sq.yd. bitulithic, to Warren Bituminous Paving Co., 54 University Ave. $27,100.

Industrial Works

PROPOSED WORK

Mass., Clinton—Bigelow-Hartford Carpet Co., Thompsonville, Conn., having plans prepared by C. T. Main, Inc., archts. and engrs., 201 Devonshire St., Boston, 1 story 100 x 275 ft. dyehouse and 4 story 100 x 114 ft. headhouse, brick and steel, here. $250,000. Noted April 13.

Mass., Everett—Boston Elevated Ry. Co., 108 Massachusetts Ave., Boston, plans brick and steel repair shop, here. $750,000. M. L. Fernald, c/o owner, engr.

Mass., Everett—Cameron Appliance Co., 48 Waters Ave., having plans prepared by McNaughton & Robinson, archts., 101 Tremont St., Boston, 1 story 70 x 115 ft. brick and steel factory, plain foundation. $40,000.

In April

We published 275 tips on industrial expansion as follows:

Proposed work	140
Bids desired	45
Bids received	1
Contracts awarded	89

Increased industrial construction reflects increasing confidence in tomorrow.

Mass., Northampton—P. P. Gleason, Pearl St., had plans prepared by G. P. B. Alderman & Bro., archts., 318 High St., Holyoke, 2 story, 80 x 130 ft. garage and service station, brick and steel, plain foundation, Pleasant St. $50,000.

Mass., Roxbury (Boston P. O.)—Nash Carriage Co., 841 Massachusetts Ave., plans 1 story, 110 x 114 ft. brick and steel factory. $50,000.

Mass., Williamsett—Palmer Steel Co., 316 High St., Holyoke, soon lets contract 1 story, 80 x 200 ft. brick and steel plant, plain foundation. $75,000. Private plans.

R. I., Olneyville—Le Poutre Bros., c/o Lafayette Worsted Mills, Woonsocket, plan 2 story spinning mill. Architect not announced.

Conn., Stafford Springs—Cyril Johnson Woolen Co., Furnace Ave., plans 2 story, 45 x 100 ft. mill addition, brick and steel, plain foundation. $40,000. Private plans.

Conn., Waterbury—Connecticut Light & Power Co., Lakeville St., having plans prepared by L. A. Walsh, archt., 51 Leavensworth St., 4 story, 60 x 135 ft., brick, steel and concrete garage and storage plant $100,000.

N. Y., Brooklyn—Kroder & Reubel Co., 107 East 17th St., New York, soon lets contract 3 story, brick, steel and concrete factory, plain foundation, Henry St., here $150,000. R. Berger & Son, 309 Bway., New York, archts. and engrs.

N. Y., Buffalo—Amer. Elevator & Warehouse Co., C. E. Thayer, pres., Minneapolis, Minn., purchased plant of Amer. Malt & Grain Co., Childs St., here, and plans addition and installation of new equipment. $50,000.

N. Y., Buffalo—Crane Co., 836 South Michigan Ave., Chicago, plans 200 x 222 x 282 ft plumbing plant, Church and Genesee Sts., here. $250,000. F. Zander, 81 Bway., local mgr. Architect not announced.

N. Y., Buffalo—T. A. Sullivan-C. S. Burkhardt Co., Dun Bldg., plans 7 story garage, fireproof construction, Church St. To exceed $300,000.

N. Y., Franklinville—Ontario Cutlery Co. plans 4 story, 72 x 200 ft., brick, concrete and steel factory. $160,000-$180,000.

N. Y., Hornell—Erie R.R., 50 Church St., New York, plans brick, concrete and steel addition to repair shops, here. $200,000-$250,000. J. Gravis, Hornell, asst. div. engr.

N. Y.—Natural Dam—Aldrich Paper Co., Gouverneur, plans to rebuild paper manufacturing plant, here, destroyed by fire. $500,000-$600,000. Address N. R. Caswell, Gouverneur.

N. Y., New York—M. Kaufman, c/o A. J. Simberg, archt. and engr., 1133 Bway., having plans prepared 2 story, 90 x 150 ft., brick, steel and concrete garage, plain foundation, 225 St. Nicholas Ave. $100,000.

N. Y., New York—Lampert Estate, c/o Euell & Euell, archts. and engrs., 125 Sherman Ave., having plans prepared 1 story, 100 x 199 ft., brick, steel and concrete garage, plain foundation, 10th Ave. $100,000.

N. Y., Oswego—Fitzgibbons Boiler Co., 23 Mercer St., plans addition to plant. $40,000-$45,000.

N. Y., Salamanca—C. R. Gibson plans 2 story, 45 x 110 ft., brick garage, Wildwood Ave. $40,000. Architect not announced.

Pa., Brockwayville—Brockwayville Macaroni & Supply Co., having plans prepared 2 story, 48 x 50 ft. factory. $50,000. Private plans.

Pa., Coraopolis — Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y., having plans prepared large plant on 23 acre site near here. Private plans.

Pa., Erie—Erie Burial Casket Co., 20th and Peach Sts., having plans prepared 2 story, rein-con., brick and steel factory, 200,000 sq.ft. floor space, along Pennsylvania R.R. tracks between 8th and 10th Sts. $300,000.

Pa., Phila.—Blumenthal Bros., Margaret and James Sts., soon receives bids 4 story, 80 x 250 ft. rein.-con. factory, plain foundation, Margaret and James Sts. $180,000. Ballinger & Co., 12th and Chestnut Sts., archts.

Pa., Scranton—R. F. Post, 44 Lackawanna Ave., soon lets contract 3 story, 67 x 196 ft. and 2 story, 100 x 150 ft. rein.-con., brick and steel warehouse, plain foundation, 7th Ave. $200,000. A. J. Ward, 603-604 County Bank Bldg., archt.

W. Va., Fairmont—Dattile Fruit Co. soon lets contract 3 and 7 story, 68 x 70 ft. warehouse, rein.-con., brick and tile, Cleveland Ave. $40,000. Concrete Steel Eng. Co., 15 Park Row, New York, engrs.

Ky., Louisville—Joseph & Joseph, archts., 800 Francis Bldg., preparing plans and soon take bids 4 story, 60 x 125 ft., rein.-con. and brick warehouse, Jackson and Market Sts., for J. Lang, 515 East Market St. $150,000.

Ky., Louisville—H. Madler and M. J. Toule, Selbach Hotel, promoters of new company, which is having plans prepared by D. X. Murphy & Bro., archts., 714 Louisville Trust Bldg., 4-10 story, 150 x 200 ft. garage, rein.-con. and steel, 5th and Chestnut Sts. $250,000. Address J. H. Button Co., 418 West Jefferson St., in charge.

Ky., Louisville—H. A. Seinsheimer & Co., 117 South 22nd St., plans 2 story, 160 x 200 ft. factory, 22nd and Main Sts. $175,000.

O., Cincinnati — Cincinnati Terminal Warehouse Co. having preliminary plans prepared by A. M. Allen & Co., archts. and engrs., Euclid-71st Bldg., Cleveland, 7 story, 200 x 600 ft., brick, steel and concrete warehouse, plain foundation, Front St. and Central Ave. $3,000,000.

O., Cincinnati—Tietag & Lee, archts., 901 4th Natl. Bank Bldg., prepared plans and

Industrial Works (Continued)

takes bids about May 15, 5 story, 61 x 65 ft. rein.-con. factory, plain foundation, Cormany St., for J. and F. Schroth Packing Co., Cormany and Township Sts. $70,000.

O., Cleveland—A. and B. Box Co., 8628 Woodland Ave., had plans prepared by H. M. Morse & Co., archts., Finance Bldg., brick and steel factory, plain foundation, East 152nd St. $60,000.

O., Cleveland—Industrial Fibre Co., West 98th St. near Walford Rd., had plans prepared by J. H. Williams, archt., c/o owner, 2 story, 41 x 99 ft., brick, steel and concrete factory. $50,000. Noted Dec. 1.

O., Cleveland—Rothkopf Bros., 6112 Central Ave., having plans prepared by A. Sogg, archt., 319 Hippodrome Bldg., 2 story, 40 x 130 ft., dairy plant, brick, steel and concrete, 10712 Superior Ave. $75,000.

O., Cleveland—Cleveland Ry. Co., Hanna Bldg., plans several 1 story, brick steel and concrete automatic sub-stations, in various locations. $60,000 each. L. P. Bale, Hanna Bldg., engr.

Ind., Hammond—Jones & Loughlin Co., Ross St., Pittsburgh, purchased 1,000 acres of land here, and plan to build steel plant, brick and steel. Probably private plans.

Ind., Indianapolis—I. C. Strohm Central Public Warehouse Co., 110 South Alabama St., having plans prepared by McMeans & Tripp, engrs., Majestic Bldg., 4 story rein.-con. warehouse, 91,000 sq.ft. floor space, Kentucky Ave. $200,000.

Mich., Detroit—A. Backus, Jr. & Sons, 1533 West Lafayette Ave., plans 2 story, rein.-con., brick and steel factory, plain foundation, Livernois Ave. and Detroit Terminal Ry. $200,000. Architect not selected.

Mich., Saulte Ste. Marie—Cadillac Lumber & Chemical Co., having plans prepared by E. C. Hall, engr., 221 Grand Ave., Milwaukee, Wis., 2 story, 95 x 280 ft. and 100 x 114 ft. rein.-con. and steel mill, plain foundation. $200,000.

Wis., Appleton—Weber Knitting Mills, 624 Richmond St., plans 2 and 3 story, 46 x 50 ft., rein-con., brick and steel factory, plain foundation, Main St. $50,000. Architect not selected.

Wis., Madison—J. Peterson, 102 South Orchard St., having plans prepared by M. P. Schneider, archt., 401 West Doty St., 1 story, 114 x 117 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, Monroe St. $50,000.

Wis., Sturgeon Bay—Peterson Bros. Co., c/o G. Peterson, plans 2 story, 50 x 85 ft. brick, rein.-con. and steel garage and repair shop, plain foundation. $60,000. Architect not selected.

N. D., Velva—Velva Coal Products Co. having plans prepared for lignite mining project, will probably include electric generating plant. $500,000. Dakota Eng. & Constr. Co., Valley City, engrs.

Neb., Havelock—Schmidt Bros., having plans prepared by J. Tyler, archt., 418 Richards Bldg., Lincoln, 50 x 140 ft., brick and steel garage, here.

Mo., Carthage—Leggett & Platt Bed Spring Co. plans factory, Vine St. $50,000. C. B. Platt, mgr. Architects and engineer not selected.

Cal., Oakland—Magnovox Co., 2725 East 14th St., having plans prepared by B. J. Cahill, archt., Easton Bldg., 2 story, 60 x 200 ft., rein.-con. and brick addition to factory, 2725 East 14th St. $60,000.

Cal., San Francisco—L. R. Lurie, Mills Bldg., having plans prepared by O'Brien Bros. Inc., archts., 240 Montgomery St., 3 story, rein.-con. warehouse, 2nd and Bryant Sts. $60,000.

Cal. Watsonville—C. M. Gay & Son, engrs., 2650 Santa Fe St., Los Angeles, preparing plans rein.-con. storage plant, West Lake Ave. $180,000. Owner's name withheld.

Ont., Courtright—Diamond Crystal Salt Co., of Courtright and St. Clair, Mich., having plans prepared concrete and brick plant, 700 bbl. daily capacity. $50,000. Private plans.

Ont., Port Colburne—International Nickle Co. plans 90 x 140 ft. brick and steel addition to factory. Architect not announced.

Ont., St. Jacobs—Snider Flour Milling Co., plans to rebuild plant partially destroyed by fire. $100,000. Prices wanted on equipment.

Ont., Welland—L. R. Weeks Eng. Co. of Welland and Erie, Pa., having plans prepared 1 story, 80 x 400 ft. concrete, brick and steel plant. $100,000. Private plans.

BIDS DESIRED

N. Y., Lockport—G. F. Hardy, consult engr., 309 Bway., New York, taking bids paper mill, here, for A. W. Jack Corp. To exceed $100,000.

Pa., Chambersburg—A. C. Wood, engr., Stock Exch. Bldg., Phila., receiving bids 1 story, 80 x 95 ft. rein.-con. and brick power house, plain foundation, 3rd St., for Boro.

N. C., Morganton—May 18, by E. M. Goodwin, supt. North Carolina School for Deaf, improving and enlarging heating plant.

Wis., Prairie du Chien—Prairie du Chien Woolen Mill Co., La Crosse, and Parkinson & Dockendorff, archts. and engrs., Linker Bldg., La Crosse, taking bids 4 story, 48 x 186 ft., brick and concrete addition to mill, plain foundation, here. $75,000-$85,000. Noted Feb. 9.

Cal., Sacramento—Breuner Co., 6th and K Sts., receiving bids 5 story, 110 x 160 ft., mill construction warehouse, L St. between 6th and 7th Sts. $150,000. J. S. and C. L. Dean, City Library Bldg., archts. Noted April 13.

Cal., San Leandro—May 15, by Supervs. Alameda Co., Oakland, constructing 1 story power house and 1 story laundry, tile, on County Infirmary site, here. $110,000.

BIDS RECEIVED

Cal., Sacramento—Breauner Co., 604 K St., 5 story, 100 x 160 ft., mill construction warehouse, L St., from Betz & Mabrey, Ochsner Bldg., $124,867; W. G. Reid, Salt Lake City, Utah, $130,665; McGillivray Constr. Co., Capitol Natl. Bank Bldg., $131,300. Noted April 13.

CONTRACTS AWARDED

Me., Springvale—Goodall Worsted Co., Sanford, 5 story, 240 x 280 ft. mill and storehouse, rein.-con., brick and steel, plain foundaion, to W. M. Bailey Co., 12 Salem St., Boston. $700,000.

N. H., Manchester—Commonwealth Last Co., Somerville St., 2 story, 91 x 160 ft. factory, brick and timber, plain foundation, Maple St., to L. H. Shattuck, Inc., 208 Granite St. $40,000.

Mass., Adams—Berkshire Cotton Mfg. Co., 1 story, 50 x 170 ft. brick and timber addition to plant, to F. T. Ley & Co., Inc., 499 Main St., Springfield. $40,000.

Mass., Holyoke—Magna Auto Co., 2 Division St., 2 story, 116 x 120 ft., garage and service station, brick and steel, plain foundation, Northampton St., to Casper Ranger Constr. Co., 20 Bond St., $40,000.

Mass., Medford Hillside—Amer. Radio & Research Corp., 2 story, 61 x 120 ft., rein.-con. and brick factory, to Hallet-Grant Constr. Co., 136 Federal St., Boston. $50,000.

R. I., Providence—See "Buildings".

Conn., New Britain—E. R. Hitchcock & Co., 303 Main St., 2 story, 45 x 100 ft. printing plant, brick and steel, plain foundation, to W. Hallen Co., 16 Hungerford Court. $40,000. Noted June 23.

Conn., New London—Edward Bloom Co., Inc., 2 story, 56 x 168 ft. brick and steel factory addition, plain foundation, Elm St., to P. S. Vankirk Co., Elm St. $50,000.

N. Y., Avon—Avon Knitting Co., Inc., 2 story, 40 x 70 ft. mill, to A. Miller, Avon, $40,000.

N. Y., Buffalo—Du Pont Fibre Silk Co., brick and steel addition to plant, River Rd., to Du Pont Eng. Co., Du Pont Bldg., Wilmington, Del., $2,000,000. Noted April 6.

N. Y., Little Falls—Barnett Leather Co., 81 Fulton St., New York, brick and concrete factory, plain foundation, here, to Thompson & Binger, 280 Madison Ave., New York. Noted April 13.

N. Y., New York—See "Buildings."

N. Y., Syracuse—State Fair Comn., Syracuse, sheep and swine building at New York State Fair Grounds, to W. J. Burns Co., Keith Bldg., $99,500. Noted April 6.

N. Y., Warsaw—Warsaw Gas & Electric Co., constructing 80 x 80 x 104 ft., brick, concrete and steel power plant, to Oatka Eng. & Constr. Co., Warsaw; steel and concrete, to E. L. Phillips Co. $40,000.

N. J., Camden—Campbell Soup Co., 1 story, 55 x 75 ft., rein.-con. and brick power house, plain foundation, to W. Steele & Sons, 16th and Arch Sts., Phila.

Pa., Koppel—Koppel Car Repair Co., will build 1 story, 60 x 500 ft. plant by day labor. Noted March 23.

Pa., Norristown—U. G. I. Co., Broad and Arch Sts., Phila., will build 2 story, 100 x 200 ft. electric power house, brick and steel, plain foundation, here, by day labor.

Pa., Phila.—L. J. Kolb, 10th and Reed Sts., 2 story, brick and steel garage, plain foundation, Ridge and Lenon Sts., to W. G. Uhlers Sons, 1909 McKean St., $52,600. Noted Jan. 26.

Pa., Phila.—International Harvester Co. of America, 21 North 23rd St., 5 story, 100 x 130 ft. warehouse and 1 story, 64 x 100 x 140 ft. service station, rein.-con. brick and steel, plain foundation, 16th and Indiana Aves., to J. S. Rogers Co., Drexel Bldg. Noted April 6.

Pa., Phila.—G. H. Seddon, 31st and Sunnyside Aves., 1 story, 84 x 101 ft. brick and steel garage, plain foundation, Ridge and Midvale Aves., to C. Lofland, Water and Race Sts., $40,000.

Pa., Phila.—S. Weitz, c/o D. D. Weitz, archt., Real Estate Trust Bldg., 1 story, 62 x 72 ft. and 1 story, 18 x 91 ft. brick and steel plant, plain foundation, 2838 North 28th St., to S. Saidell, 5749 Walnut St., to exceed $60,000.

Pa., Pittsburgh—H. J. Heinz Co., 1062 Progress St., 6 story, 92 x 150 ft. rein.-con. brick and steel factory, to Hughes-Foulkrod Co., Oliver Bldg., $250,000. Noted April 20.

Pa., Pittsburgh—St. Louis Independent Packing Co., 6349 Station St., 2 story, 100 x 109 ft. cooling house, rein.-con. and brick, 6349 Station St., to D. T. Riffle, Forbes St., $50,000. Noted April 20.

Ky., Louisville—Joseph & Joseph, archts., 800 Francis Bldg., 2 story, 60 x 200 ft. rein.-con., brick and steel garage, 3rd and York Sts., to C. A. Koerner, 318 East Burnett St., for Haury Motor Co., 811 South 3rd St. $75,000. Noted Feb. 9.

Ky., Louisville—International Harvester Co., New Albany, Ind., 4 story, 100 x 160 ft. warehouse and office, rein.-con. and brick, 14th and Walnut Sts., here, to L. W. Hancock, 709 Louisville Trust Bldg., $150,000.

O., Cleveland—J. Basta, 7001 Union Ave., 1 story, 50 x 80 ft., brick and steel garage, plain foundation, 11903 Miles Ave., to J. Hruby, 4123 East 131st St., $40,000.

O., Cleveland—Vlchek Tool Co., 3000 East 87th St., 1 story, 49 x 82 ft. heat treating plant, steel and asbestos metal, to Hunkin-Conkey Constr. Co., Century Bldg., $40,000.

Ind., Hammond—Standard Steel Car Co., Hammond, 1 story, 120 x 400 ft. fireproof factory, to Austin Co., 208 South La Salle St., Chicago. $100,000.

Wis., Beloit—J. Terwilliger, Clinton, 2 story, 75 x 135 ft., concrete garage, plain foundation, Broad St., to Cunningham Bros., Beloit, $45,000. Noted April 27.

Wis., Cable—Cable Auto Co. 1 story, 50 x 95 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, Main St., to O. J. Hansen, Cable, $45,000.

Wis., Kaukauna—W. Van Lieshout, 1 story, 50 x 100 ft., brick, rein.-con. and steel garage and repair shop, plain foundation, to J. Copper, South Kaukauna, $40,000.

Wis., Lake Geneva—Mann Candy Co., 2 story, 50 x 100 ft. ice cream factory, brick and steel, plain foundation, to F. Lowry, Lake Geneva, $55,000.

Cal., Fresno—Fresno Bee, 3 story, newspaper plant and publishing house, rein.-con., Van Ness and Calaveras Sts., to G. Hudnutt, California Fruit Bldg., Sacramento, $100,000.

Minn., St. Paul—Siems-Stembel Co., 2700 Como Ave., W., will build 1 story, 230 x 750 ft. car repair shed, steel and concrete, by day labor. $75,000.

Cal., San Francisco—L. H. and E. W. Allyne, 2609 Gough St., 2 story, 98 x 137 ft., concrete garage, Pine St. near Polk St., to J. Spargo, 240 Montgomery St., $40,000.

Ont., Niagara Falls—Hydro-Electric System, 120 Welland Ave., 2 story, 45 x 110 ft. transformer station, concrete, brick and steel, South St. and Victoria Ave., to Robertson Constr. Co., Erie Ave. $125,000.

Buildings

PROPOSED WORK

Me., Houlton—Hotel—H. W. Rhode, archt., 574 Congress St., Portland, preparing plans hotel, brick and steel, here. $200,000. Owners name withheld.

Me., Presque Isle—High School—School Comrs. having plans prepared by V. Hodgins, archt., 39 Hammond St., Bangor, 2 story, 85 x 150 ft. $150,000.

Me., South Portland—High School—Bd. School Comrs. plans 2 story, brick. $185,000. Miller & Mayo, Fidelity Bldg., Portland, archts.

Mass., Boston—Mercantile—E. V. Earle & Sons, c/o G. N. Meserve, archt., 200 Devonshire St., having plans prepared 8 story, brick and concrete, Clarendon and Stanhope Sts. $300,000.

Mass., Melrose—School—School Comn., plans 2 story, brick and steel, Park St. $200,000. Architect not announced.

Buildings (Continued)

R. I., Providence—Court House—Providence Co. plans 4 story court house. $2,000,000. Architect not selected.

Conn., Bridgeport—Restaurant—Waldorf Lunch Co., 169 High St., Boston, having plans prepared by M. H. Westhoff, archt., Stearns Bldg., Springfield, Mass., 4 story, rein.-con., brick and steel, Main St., here. $250,000. Noted April 20.

Conn., Hartford — High School — City plans 3 story, brick and fireproof, Maple Ave. $1,500,000. E. T. Wiley, 75 Pratt St., archt.

Conn., New Haven—School—St. Stanislaus Roman Catholic Church, 9 Eld St., plans 3 story, brick and steel, State St. $175,000. B. Wozny, 94 State St., Springfield, Mass., archt.

N. Y., Bronxville—Church and Parish House—Christ Episcopal Church, c/o B. G. Goodhue, archt. and engr., 2 West 47th St., New York, having sketches made 1 story, brick and stone, plain foundation. Sagamore Rd., here. $250,000. C. W. Robinson, pastor.

N. Y., Brooklyn—Bank—Mechanics Bank, 215 Montague St., having plans prepared by Shampan & Shampan, archts. and engrs., 50 Court St., 1 story, brick and stone, plain foundation Bedford and DeKalb Aves. $150,000.

N. Y., Buffalo—Store—Hens & Kelly Co., 478 Main St., having preliminary plans prepared by Bley & Lyman, archts., 250 Delaware Ave., 5 story, 90 x 207 ft., rein.-con., brick and steel, Main St. To exceed $200,000.

N. Y., Chateaugay—Church—Catholic Church having plans prepared by D. D. Kieff, archt., Flower Bldg., Watertown, stone church. $160,000-$170,000.

N. Y., East Palmyra—School—Bd. Educ. plans school, here. $200,000. Address A. M. Coop, Newark, dist. supt. schools.

N. Y., Eastwood—High School—Voted $190,000 bonds for School Dist. 14 Junior-Senior High School. N. H. La Vaute, Syracuse Savings Bank Bldg., Syracuse, archt.

N. Y., Jamestown—High Schools—Bd. Educ. plans 2 rein.-con., brick and steel. $725,000.

N. Y., Jamestown—Hotel—G. F. Hurlbert, pres. Hotel Samuels, Cherry and 3rd Sts., having plans prepared by A. E. W. Schonenberg, archt., Olean, and takes bids early in June, 8 story, 260 room addition. $460,000-$480,000. Noted April 27.

N. Y., Johnson City—Church—Methodist Church Assn. plans church, to be known as Sarah Johnson Methodist Church. $150,000. Architect not announced.

N. Y., New York—Church—Third Church of Christ Scientist, Park Ave. and 63rd St., soon lets contract 2 story, 100 x 100 ft., brick, steel and stone. $250,000. Delano & Aldrich, 126 East 38th St., archts. and engrs. Noted Aug. 25.

N. Y., New York—Club—Advertising Club of New York, 47 West 25th St., having plans prepared by Helmle & Corbett, archts. and engrs., 132 West 42nd St., 10 story, brick, steel and stone, plain foundation, 2-8 West 46th St. $1,200,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., plans brick, steel and stone, plain foundation, Franklin Ave. near 168th St. $500,000. C. B. J. Snyder, Municipal Bldg., archt .and engr.

N. Y., New York—Synagogue—Congregation of Free Synagogue, 23 West 90th St., having plans prepared by Eisendrath & Horowitz and Bloch & Hesse, archts. and engrs., 18 East 41st St., 4 story, brick, steel and stone, plain foundation. 28-44 West 68th St. $200,000. Noted Feb. 23.

N. Y., New York—Theatre—W. Stursburg Realty Co., c/o E. De Rosa, archt. and engr., 110 West 40th St., having plans prepared 3 story, brick, steel and stone, plain foundation, Willis Ave. and 138th St. $300,000.

N. Y., New York—Theatre and Office—M. M. Glasen, c/o G. and E. Blum, archt. and engrs., 505 5th Ave., having sketches made brick, steel and stone, plain foundation, 23rd St. and 8th Ave. $500,000.

N. Y., New York—Y. M. C. A., 2 West 45th St., plans brick, steel and stone, plain foundation, on plot 75 x 100 ft., 332 West 51st St. $350,000. Architect not selected.

N. Y., Niagara Falls—City Hall—Voted $325,000 bonds for new city hall, Main St. and Cedar Ave. G. J. Rickert, clk. Noted April 20.

N. Y., North Tonawanda—Schools—Voted $300,000 bonds to build additions to Gratwick and Colonel Payne Schools. C. F. Drewes, mayor.

N. Y., Olean—School—Bd. Educ. plans school, Main St. $200,000. A. W. E. Schoenberg, 101 North Union St., archt. Noted April 13.

N. Y., Rochester—Church—Sacred Heart Roman Catholic Church, c/o G. W. Burns, 296 Flower City Park, soon takes bids 1 story, 65 x 135 ft., cut stone, plain foundation, Flower City Park. $250,000. F. F. Durang, 1220 Locust St., Phila., archt.

N. Y., Rochester—Clubhouse—Loyal Order of Moose having plans prepared by Association Architects, Mooseheart, Ill., and takes bids about June 1, 48 x 212 ft. clubhouse, 191 South Clinton St. $300,000. Address F. G. Kunz, 465 Campbell St., secy.

N. Y., Saranac Lake—Hotel—Chamber of Commerce and G. H. Gazely plan hotel, modern fireproof. $700,000. Architect not announced.

N. Y., Saranac Lake—School—Bd. Educ. plans new school. $250,000. C. Neubauer, chn. building com. Architect not selected.

N. Y., Syracuse—High School—Bd. Educ. plans either 1 junior high school, $750,000 or 2 junior high schools, $400,000 each. Architect not announced.

N. Y., Utica—Theatre—W. H. Linton, Hippodrome Theatre, plans theatre, 1,800 seating capacity. $200,000. Architect not selected.

N. Y., Watertown—School—Sacred Heart Catholic Parish, 660 Thompson St., having plans prepared by D. D. Kieff, archt., Flower Bldg., for school. $180,000-$200,000.

N. Y., Waverly—Club House—Waverly Lodge of Moose having plans prepared by C. S. Smith, archt., Waverly, 3 story, steel, concrete and tapestry brick. $175,000-$200,000.

N. J., Wildwood—Hotel and Apartment—H. M. Moffett, archt., 531 Market St., Camden, preparing plans and soon takes bids 6 story, 110 x 115 ft., brick and steel, concrete pile and caisson foundation, here. $500,000. Owners name withheld.

Pa., Ambler—School—School Bd. soon takes bids 2 story, 70 x 172 ft. brick and steel, plain foundation. $150,000. S. S. Conover, 11 South 16th St., Phila., archt.

Pa., Phila.—Law—Phila. Co., c/o A. Holmes, co. comr., City Hall, plans rein.-con., brick steel, granite and marble, caisson foundation, 21st St. and Parkway. Bids will soon be taken for first wing. $5,000,000. J. T. Windrim, Commonwealth Bldg., archt.

Pa., Phila.—Sales, etc.—J. J. Greenbergh, Morris Bldg., having plans prepared by L. B. Rothchild, archt., 1225 Sansom St., 6 story, 55 x 150 ft. sales and service building, rein.-con., brick, steel and stone, plain foundation, 1409-1411 Broad St. $200,000.

In April

We published 720 tips on new commercial building construction:

Proposed work	352
Bids desired	156
Bids received	11
Contracts awarded	201

More work—more opportunities —read these pages.

Pa., Phila.—Schools—Bd. Educ., 19th and Chestnut Sts., soon takes bids 3 story, 8th and Orthodox Sts., $975,000, 35 room, 9th and Oregon Sts., $450,000, 3 story, 35 room, 8th and Wister Sts., $270,000; 2 story, 16 room, Chestnut Hill, $2 0,000, 35 room, 16th and Cayuga Sts., $400,000, 38 room, 42nd and Thompson Sts., $490,000, 15 room Salmon and Somerset Sts., $150,000, all brick and stone, plain foundations. Private plans.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., plans 3 story, 40 room, 4th and George Sts. $575,000. Private plans.

Pa., Phila.—Y. M. H. A., c/a L. J. Obermayer, 1916 Erie Ave., soon receives bids 5 story, 138 x 141 ft. rein.-con., brick, steel and stone, plain foundation, Broad and Pine Sts. $750,000. F. E. Hahn, 1112 Chestnut St., archt.

Pa., Pittsburgh — Apartment-Hotels — Merrill Building System, Fulton Bldg., having plans prepared by M. Thayer, archt., Fulton Bldg., and takes bids about June 1, 3 story, 80 x 200 ft., Ridge or Ohio Sts., $175,000, also 3 story, Boggs Ave., $150,000.

Pa., Pittsburgh—Apartment-Hotel—Merrill Building System, Fulton Bldg., having plans prepared by M. Thayer, archt., Fulton Bldg., and takes bids about July 1, 3 story, 120 x 400 ft. Beeler and Forbes Sts. $500,000.

Pa., Pittsburgh—Schools—Bd. Educ., Fulton Bldg., having plans prepared by O. M. Topp, archt., Jenkins Arcade, 2 story, Hazelwood and Gladstone Sts., $500,000; by J. T. Stein & Son, archts., Fulton Bldg., 2 story, North Side, $500,000; by E. Stotz, archt., Monongahela Bldg., 2 story, 10th and Carson Sts., $500,000; by P. C. Dowler, archt., Magee Bldg., 2 story, Rockland St., $500,000; by E. B. Lee, archt., Chamber of Commerce Bldg., 2 story, Margeratta St., $500,000; by Eng. Dept. of Bd. Educ., Fulton Bldg., 2 story, Lydia and Farnsworth Sts., $200,000.

Pa., Pittsburgh — Synagogue — Adath Jeshurum Congregation, c/o R. Friedberg, archt., Farmers Bank Bldg., having plans prepared for 2 story, 80 x 120 ft., St. Clair and Margaretta Sts. $150,000.

Pa., Pittsburgh—E. B. Lee, archt., Chamber Commerce Bldg., soon takes new bids 3 story, 80 x 140 ft. building, Center Ave., for Y. M. C. A., Magee Bldg. $175,000. Former bids rejected. Noted April 20.

Pa., Warren—Church—First Church of Christ Assn. plans church, Water St. $175,000. Architect not selected.

Pa., Windber—High School—School Dist. plans 3 story, 90 x 100 ft. brick and stone. $150,000. W. C. Crawford, supt. Architect not selected.

Va., Petersburg — Armory and Office — City Council authorized $300,000 bond issue, $200,000 for building remainder for site and incidentals. L. Brownlow, city mgr. Architect not selected.

W. Va., Fairmont — Gymnasium — Bd. Educ. rejected bids opened April 10, 2 story. R. A. Gillis, Fairmont, archt. Noted March 30.

N. C., Greenpoint — Station — Voted $1,300,000 bonds which will be loaned to Southern Ry., 1300 Pennsylvania Ave., Wash., D. C., to construct passenger station, here. P. C. Painter, city mgr.

N. C., High Point—Schools—June 6, to vote on $250,000 bonds for school buildings. J. W. Hedrick, mayor.

Ga., Augusta—Hotel—Bon Air Hotel Corp. having plans prepared by W. Irvin, archt., Lamar Bldg., and McKim, Mead & White, archts., 101 Park Ave., New York, rebuilding 5 story, 300 room, concrete, stucco and tile, recently destroyed by fire. $550,000.

Fla., Miami—Hotel—Hialeah Hotel & Apartment Co. had plans prepared 5 story, rein.-con., steel, brick, tile and stucco. $300,000. G. E. Mayer, Miami, archt.

Ala., Birmingham—Market—City having plans prepared by M. J. Lide, archt. Woodward Bldg., 3 story, 22rd St. and 3rd Ave. $300,000. Noted March 2.

La., New Orleans—Auditorium—Assn. of Commerce plans auditorium. E. M. Loeb, ch. com.

Ky., Ashland—Lodge—Schenck & Williams, archts., Mutual Home Bldg., Dayton, O., preparing plans and soon take bids 3 story, rein.-con., brick and stone, 78th St. and Winchester Ave., here, for Masonic Lodge. $250,000. A. N. Richardson and D. H. Putman, members of building com.

Ky., Louisville—Bank—D. X. Murphy & Bros., archts., 714 Louisville Trust Bldg., preparing plans and soon take bids 2 story, 52 x 105 ft., rein.-con., brick, stone and steel, concrete pile foundation, 5th and Market Sts., for Louisville Federal Reserve Bank, 5th and Market Sts. $175,000-$250,000.

Ky., Louisville — Exchange — Nevin, Wischmeyer & Morgan, archts., 1317 Starks Bldg., take bids about June 1, for 2 story, 40 x 60 ft., 2nd and Magnolia Sts., for Louisville Home Telephone Co., 523 5th Ave. $150,000.

Ky., Louisville—Gymnasium and School—Nevin, Wischmeyer & Morgan, archts., 1317 Starks Bldg., preparing plans and soon takes bids 2 story, 58 x 130 ft., rein.-con. and brick, concrete pile foundation, for Bd. Educ., 8th and Chestnut Sts. $150,000.

Ky., Louisville — School — St. Georges Parish, 18th and Hill Sts., having sketches prepared by F. Erhart, archt., 410 Norton Bldg., 2 story, 40 x 80 ft., 18th and Hill Sts. $150,000.

O., Akron—School—Bd. Educ., Central High School, having plans prepared by M. M. Konarski, archt., South Union St., for King School. $500,000.

Buildings (Continued)

O., Canton—Bank and Office—First Natl. Bank, Tuscarawas and Market Sts., having plans prepared by F. L. Packard, archt., New Hayden Bldg., Columbus, 12 story, 120 x 182 ft., brick, stone, steel and concrete, Market St. $1,000,000. Noted June 30.

O., Cincinnati—Mercantile—Rollman & Sons Co., 5th and Vine Sts., having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 12 story, 100 x 125 ft., rein.-con., brick, steel and stone.

O., Cincinnati—Office and Bank—H. Hake, archt., Telephone Bldg., soon lets contract 11 story, 63 x 95 ft. office building and 1 story, 63 x 135 ft. bank, brick and steel, plain foundation, 7th St., for Provident Bank & Trust Co., 7th and Vine Sts. $500,000.

O., Cleveland — Apartment — Portage Building Co., 201 Ulmer Bldg., having plans prepared by Best & Hoefler, archts., Vickers Bldg., 3 story, 63 x 162 ft., brick and steel, plain foundation, East 101st St. and Woodward Court. $150,000.

O., Cleveland—Armory and Club—Troop A Veterans Assn., East 55th St. and Curtiss Ave., having plans prepared by Watson Eng. Co., archts., Cook Bldg., 1 and 3 story, 200 x 218 ft., brick, steel and concrete, Fairmount and Kemper Rds. $350,000. R. A. Perkins, capt.

O., Columbus — Cottages — State Dept. Pub. Welfare, 9th and Oak Sts., having plans prepared by C. A. Harst, archt., Ohio-Hartman Bldg., two 2 story, 80 x 140 ft. cottages, at Institution for Feeble Minded, West Broad St. here, $250,000; 2 story, 20 x 45 ft. and 45 x 140 ft. cottages at Reformatory for colored girls, in Marysville. $125,000, all brick and concrete.

O., Dresden—High School—Bd. Educ. having plans prepared by F. J. Porter, archt., 309 Lennox Bldg., Cleveland, 2 story, 12 room, brick, steel and concrete. $150,000.

O., Ironton—Bank and Office—First Natl. Bank had plans prepared by F. L. Packard, archt., New Hayden Bldg., Columbus, 6 story, 100 x 120 ft., brick, stone and concrete. Main St. $175,000. Noted Nov. 17.

O., Oxford—Dormitory—Miami University having plans prepared by F. L. Packard, archt., New Hayden Bldg., Columbus, 4 or 5 story, brick. $250,000. Noted Dec. 15.

Ind., Indianapolis—Hotel—E. J. Sourbier, 152 North Illinois St., plans 10 story, 68 x 195 ft. brick, concrete and steel, North Illinois St. $1,000,000.

Ind., Indianapolis—Office—J. T. Stokes, 232 North Meridian St., plans 10 or 12 story, North Pennsylvania St. $400,000. Architect not selected.

Mich., Detroit—Apartment—M. H. Finkel, archt., 333 Majestic Bldg., preparing plans 8 story, 105 x 135 ft. brick and steel, plain foundation, Woodward Ave. $700,000. Owner's name withheld.

Mich., Detroit—Apartment-Hotel—Clifford Realty Co., 1026 Dime Bank Bldg., having plans prepared by J. P. Jogerst, archt., 55 Rowland Bldg., 10 story, 100 x 102 ft. rein.-con., brick and steel, plain foundation, Clifford and Duffield Sts. $1,000,000. A. E. Yokum, Huron Bldg., engr.

Mich., Detroit—School—Bd. Educ. had plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story, 82 x 132 ft. rein.-con., brick and steel, plain foundation, Congress and Russell Sts. $150,000.

Ill., Chicago—Apartment—E. E. Hall, archts., 123 West Madison St., soon receives bids 4 story, 195 x 215 ft., rein.-con., brick and steel, Yates, Phillips and East 72nd Sts., $2,000,000. Owner's name withheld.

Ill., Chicago—Apartment—W. W. Ahlschlager, archt., 60 East Huron St., soon receives bids 3 story, 164 x 183 ft., rein.-con., brick and steel, Hyde Park Blvd. and University Ave., for O. B. Marienthal, c/o architect. $300,000.

Ill., Chicago—Apartment—B. L. Steif & Co., archts., 30 North La Salle St., soon receives bids 3 story, 140 x 225 ft., rein.-con., brick and steel, 521-41 Wellington St., for B. L. Steif & F. R. Seibold, Jr., c/o architects. $500,000.

Ill., Chicago—Apartment—Rissman & Hirschfield, archts., 139 North Clark St., scon receive bids 8 story, 62 x 150 ft., rein.-con., brick and steel, Sheridan and Greenleaf Aves., for J. A. Albert & M. Bernstein, 2701 West North Ave. $1,000,000.

Ill., Chicago—Apartment—Rissman & Hirschfield, archt., 139 North Clark St., soon receive bids 3 story, rein.-con., brick and steel, Washington Blvd. and Lamon Ave., for Caplin & Ritchie, c/o architects. $150,000.

Ill., Chicago — Apartment — Rissman & Hirschfield, archts., 139 North Clark St., soon receive bids 3 story, rein.-con., brick and steel, Everett Ave. near Jackson Park, for Goldstein & Berg, c/o architects. $225,000.

Ill., Chicago—High Schools—Bd. Educ. 650 South Clark St., having plans prepared by J. C. Christensen, archt., 650 South Clark St., 3 story, addition to High School, Union Ave. and 48th St., $3,000,000, 3 story addition, Harrison and Plymouth Sts., $750,000; addition on Milwaukee and Addison Sts., $1,500,000; all rein.-con., brick and steel.

Ill., Chicago—Office—Childs & Co., c/o Burnham & Co., archts., 208 South La Salle St., had plans prepared 7 story, 50 x 100 ft. office, State and Van Buren Sts., $225,000.

April Tips

We published a total of 2,558 items on all classes of construction, an average of 639 a week.

Proposed work	933
Bids desired	735
Bids received	166
Contracts awarded	724

Keep your eye on May.

Ill., Chicago—School—Bd. Educ., 650 South Clark St., plans 3 story, rein.-con., brick and steel addition, 11941 South Parnell St. $320,000. J. G. Christensen, 650 South Clark St., archt.

Ill., Chicago—Theatre, Store and Office—S. M. Eichberg, archt., 64 West Randolph St., preparing plans 3 story, 110 x 250 ft., rein.-con., brick and steel, Irving Park Blvd. near Drake Ave. $600,000. Owner's name withheld.

Ill., Evanston — Apartment — Dearborn Building and Finance Co., 127 North Dearborn St., Chicago, plans 5 apartment buildings, South Blvd. and Michigan Ave., here. $1,000,000. Rissman & Hirschfield, 139 North Clark St., Chicago, archts.

Ill., Evanston—High School—Perkins, Fellows & Hamilton, archts., 810 Tower St., Chicago, soon receive bids 3 and 4 story, rein.-con., brick and steel, Dodge St. between Lake and Church Sts., for Bd. Educ. $2,500,000.

Ill., Highland Park—Hotel—Anderson & Cowie, c/o G. Kingsley, archt., 109 North Dearborn St., Chicago, having plans prepared 200 x 200 ft. hotel, Central Ave., here, $1,500,000.

Ill., Urbana—Office and Recitation—University of Illinois, c/o W. I. Noble, chn. building com., soon receives bids 3 story, brick, stone and concrete. $500,000. C. A. Platt, 101 Park Ave., New York, archt. and engr. Noted April 6.

Kan., Emporia — Hotel — F. Priester, American Hotel, 722 Main St., Joplin, Mo., plans 8 story, here. $250,000. Architect not selected.

Kan., Leavenworth—Schools—Bd. Educ. having plans prepared by C. A. Smith, archt., 602 Finance Bldg., Kansas City, Mo., one 2 room, one 8 room and two 6 room grade schools, and one Junior high school. $505,000.

Neb., Lincoln—School—Bd. Educ., 15th and N Sts., having plans prepared by Fiske & Meginnis, archts., Bankers Life Bldg., first unit of school, 21st and Burr Sts. $125,000. Total $600,000.

Cal., Auburn—Hospital and Jail—Placer Co. having preliminary plans prepared by G. E. Sellon & Co., archts., Mitau Bldg., Sacramento, for hospital, $200,000 and jail $100,000. Election soon to vote on bonds.

Cal., Berkeley—Bank—Federal Land Bank, c/o J. W. Plachek, archt., 2014 Shattuck Ave., having plans prepared 2 story, rein.-con., Fulton St. $150,000.

Cal., Fresno—Office—A. Mattei, c/o E. Mathewson, archt., Cory Bldg., having plans prepared 10 story, 100 x 150 ft., J. and Tuolumne Sts. $1,000,000.

Cal., Long Beach—Apartment—Waterbury & Mayell, c/o Fitzhugh & Teal, archts., 401 West Ave. 50, Los Angeles, having plans prepared 12 story, Ocean Ave. near Pine St., here. $1,250,000.

Cal., Oakland—High School—Oakland City School Dist. having plans prepared by C. W. Dickey, archt., 357 12th St. and J. J. Donovan, associated archt., Pacific Bldg., 2 story, brick, 26th and Filbert Sts., $485,000; had plans prepared 2 story, brick, 38th Ave., $109,600.

Cal., Pasadena—School—Bd. Educ. having plans prepared by J. C. Austin, archt., 1125 Baker-Detwiler Bldg., Los Angeles, 24 room school, rein.-con., McKinley site $250,000.

Cal., Sacramento — High School — Bd. Educ. having plans prepared by E. A. Mathews, archt., Call Bldg., San Francisco, for high school. $750,000 available.

Cal., San Francisco—Lodge and Club—Knights of Columbus, Council 880, 1428 Golden Gate Ave., plan 6 story, probably rein.-con. $300,000. Architect not selected.

Cal., San Francisco—Office—W. Polk & Co., archts., Hobart Bldg., completing plans 7 story, Market and Sansome Sts. $250,000. Owner's name withheld.

Cal., San Francisco—Office—J. H. Steinhart, M. Gunst, W. Arnstein, et. al., c/o S. L. Hyman, archt., Foxcroft Bldg., having plans prepared 7 story, rein.-con., Taylor and O'Farrell Sts. $150,000.

Cal., San Francisco—Office and Store—W. H. Crocker, Crocker Bldg., having plans prepared by W. Polk & Co., archts., Hobart Bldg., 9 story, rein.-con., Market St. near Sansome St.

Cal., San Jose—Office, Club, etc.—Commercial Bldg. Co., c/o Binder & Curtis, archts., 255½ South 1st St., having plans prepared 10 story, office, club and Chamber of Commerce building, North 1st St. $400,000.

Ont., Carleton Place—High School—Bd. Educ. having plans prepared by Richards & Abra, archts., 126 Sparks St., Ottawa, 20 room, rein.-con., brick and steel. $250,000.

Ont., Kitchener — Collegiate — Kitchener and Waterloo School Bds., 337 King St. W., having plans prepared by S. B. Coon & Son, archts., 4 St. Thomas St., Toronto, 3 story, concrete, brick and steel, King St. W. $500,000.

Ont., Preston—Sanitarium—Preston Sanitarium Co. takes bids about May 15, 2 story, 100 x 370 ft. concrete, tile and stucco. $225,000. Watt & Blackwell, Bank of Toronto Bldg., London, archts. Noted Feb. 2.

Ont., St. Catharines—School—Bd. Educ. Grantham twp. plans school for Dists. 5 and 6. Cost between $175,000 and $200,000.

BIDS DESIRED

Me., Portland—High School—May 17 by School Comn., 2 story, 70 x 400 ft. brick and steel, Deering Dist. $500,000. T. M. James Co., 3 Park St., Boston, archts. Noted Nov. 17.

Mass., Palmer—High School—May 8, by C. H. Hobson, chn. High School Com., 2 story, 100 x 150 ft. brick and steel, plain foundation, Main St. $168,000. Noted March 2.

R. I., Providence—Business, etc.—G. F. Hall, archt., Union Trust Bldg., receiving bids 3 story, 90 x 145 ft., brick, concrete and steel, plain foundation, College St., for College Hill Land Co. $200,000. L. Jacobs, pres. Noted April 20.

N. Y., Great Neck—Theatre and Office—Norab Realty Co., c/o W. E. Bloodgood, archt. and engrs., 17 East 49th St., New York, brick, steel and stone, plain foundation, Middle Neck Rd., here. $200,000. Work will be done by separate contracts.

N. Y., New York—Apartment—M. R. Jennings, c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., brick, steel and stone, plain foundation, 5th Ave. and 96th St. $750,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Court House—June 2, by Bd. Estimate & Apportionment, Municipal Bldg., superstructure of court house, within area bounded by Centre, Worth, Baxter and Pearl Sts.

N. Y., Perry—School—July 1, by Bd. Educ., 2 story, 135 x 145 ft. brick. $198,000. Gordon & Kaelber, 129 Sibley Blk., Rochester, archts. Noted April 27.

N. J., Hackensack—School—May 18, by Bd. Educ., Room 107, State St. School, constructing school between Williams and Washington Aves. Starrett & Van Vleck, 8 West 40th St., New York, archts.; adv. this issue. Noted March 16.

Pa., Cassopolis—Bank—A. Kahn, archt., 1000 Marquette Bldg., Detroit, receiving bids and opens same about May 15, 2 story, 65 x 70 ft. rein.-con., brick and stone, plain foundation, 5th Ave. and Mill St. for Ohio Valley Trust Co., $150,000.

Buildings (Continued)

Pa., Erie—Court House—May 22, by J. A. Leslie, controller Erie Co., altering and building new concrete, brick and steel addition to court house. $500,000. W. A. Frank, 11 Scott Bldg., archt. Noted March 30.

Pa., Greensburg—Hospital—May 9, by Boring & Tilton, archts. and engrs., 141 East 45th St., New York, addition to Westmoreland Hospital. $500,000. Noted March 30.

Pa., Maxwell—School—May 8, by J. H. Harmon, archt., Uniontown, 2 story, 65 x 100 ft., for Luzerne Twp. Bd. Educ., c/o H. Duff, Brownsville. $150,000.

Pa., Phila.—Apartment—S. Cohen, 411 South 62nd St., receiving bids 4 story, 37 x 80 ft. brick and steel, plain foundation, 46th and Pine Sts. $160,000. Durham Bros., 1609 Sansom St., archts.

Pa., Phila.—Church—Heacock & Hoakenson, archts., Bailey Bldg., receiving bids 2½ story, 80 x 100 ft. brick, steel and stone, plain foundation, 16th and Master Sts., for Calvin Presbyterian Church, 16th and Master Sts. $180,000.

Pa., Phila.—Church—Lackman & Murphy, archts., Drexel Bldg., receiving bids 2½ story, 90 x 165 ft. brick, steel and stone, plain foundation, 11th and Marvine Sts., for Holy Trinity Church, 11th and Marvine Sts., to exceed $150,000.

Va., Winchester—School—June 8, by S. Bell and H. F. Byrd, Handley Library, constructing Handley School; adv. this issue.

N. C., Marion—Court House—May 17, by Bd. Comrs. McDowell Co., building court house. $200,000. E. G. Stillwell, Hendersonville, archt.

N. C., Misenheimer—School—A. B. Cline, Bluffton, Ind., receiving bids 2 story, 90 x 122 ft. and 2 story, 88 x 114 ft., concrete, brick, stone and tile, here, for Mission Home. $150,000. L. H. Sturges, Bd. of Trade Bldg., Indianapolis, Ind., archt. Noted Jan. 12.

O., Cincinnati—Office—May 17, by Tietig & Lee, archts., 901 4th Natl. Bank Bldg., 10 story, 80 x 100 ft., rein.-con. and stone, plain foundation, 518 Walnut St., for Atlas Natl. Bank. $500,000.

O., Cleveland—High School—May 15, by Bd. Educ., East 6th St. and Rockwell Ave., 2 story, 65 x 245 ft., brick, steel and concrete addition, Scranton Rd. and Castle Ave. $400,000. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O., Cleveland — Temple — Oak Pythian Temple Co., c/o F. W. Striebinger, archt., 1900 Euclid Ave., taking bids 4 story, 50 x 100 ft. and 36 x 45 ft., brick, steel and tile, plain foundation, East 105th St. near St. Clair Ave. $150,000.

O., Clyde—High and Grade School—May 23, by Bd. Educ., 2 story, brick, steel and concrete. $150,000, Walker & Norwich, 1301 Amer. Bldg., Dayton, archts. Noted Feb. 23.

O., Columbus—High School—May 25, by E. L. McCune, clk. Bd. Educ., Town and High Sts., Abraham Lincoln High School, 2 story, 220 x 300 ft., brick, concrete and steel, Thurman Ave. $650,000. Richards, McCarty & Bulford, 584 East Broad St., archts. Noted Jan. 26.

O., Columbus—Hospital—F. O. Schoedinger, chn. Children's Hospital Trustees, taking bids 4 story, rein.-con., brick and stone, 17th Ave. $350,000-$400,000. Richards, McCarty & Bulford, 584 East Broad St., archts. and engrs.

O., Columbus—Nurses Home—Grant Hospital, 125 South Grant Ave., taking bids 4 story, 34 x 160 ft., brick, steel and concrete, East Town St. $160,000. Richards, McCarty & Bulford, 584 East Broad St., archts.

O., Coshocton—High School—May 12, by Bd. Educ. 2 story, 75 x 114 ft., brick, steel and concrete. $200,000. V. Redding, Mansfield, archt.

O., Lakewood (Cleveland, P. O.)—Apartment—P. M. Platten, 438 Engineers Bldg., Cleveland, taking bids and opens same about May 12, 4 story, 150 x 210 ft., brick and steel, Detroit and Giel Aves., here. $250,000. J. L. Cameron, 10406 Euclid Ave., Cleveland, archt. Noted March 9.

O., Mansfield—High School—May 9, by Bd. Educ. 2 story, brick, steel and concrete addition. $150,000. V. Redding, Mansfield, archt.

O., Strongsville—High School—Bd. Educ. taking bids 1 story, 108 x 154 ft., brick, steel and concrete. $150,000. C. W. Bates, 604 Marshall Bldg., Cleveland, archt.

Mich., Grand Rapids—Apartment—May 15, by J. W. Wilson, archt., 17 Campus Martius, Detroit, 4 story, rein.-con., brick and steel, plain foundation, Cherry and Union Sts. Owner's name withheld.

Mich. Holland—May 22, by Secretary Bd. Educ., 2 story, rein.-con., brick and steel, plain foundation. $175,000. Robinson & Campau, 715 Michigan Trust Bldg., Grand Rapids, archts.

Mich., New Haven—High School—May 15, by H. A. Kern, secy. Bd. Educ. 2 story, rein.-con., brick and steel, plain foundation. $150,000. B. E. Mills, 74 West Adams Ave., Detroit, archt.

Ill., Chicago—Apartment—K. H. Franzheim, archt., 125 North Dearborn St., receiving bids 11 story, 100 x 107 ft., rein.-con., brick and steel, Walton St. and De Witt Pl. $450,000. Owner's name withheld.

Ill., Chicago—Apartment—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids for 3 story, 158 x 350 ft., rein.-con., brick and steel, Ingelside and 54th Sts., for R. A. Gore, c/o architect. $600,000.

Ill., Chicago — Apartment — S. Schmalhausen, 5811 South Michigan Blvd., receiving bids 3 story, 128 x 186 ft., rein.-con., brick and steel, 73rd St. and Kingston Ave. $200,000. Ronneberg, Pierce & Hauber, 10 South La Salle St., archts.

Ill., Chicago—Store—P. Gerhardt, archt., 64 West Randolph St., receiving bids 3 story, 57 x 112 ft., rein.-con., brick and steel, 57th Ave. and 22nd St., for M. M. Davidson, c/o architect. $150,000. Noted March 16.

Ill., Joliet — Apartment-Hotel — D. H. Burnham & Co., archts., 209 South La Salle St., Chicago, receiving bids 9 story, 49 x 120 ft., rein.-con., brick and steel, Western and Pine Sts., for M. Walker, 110 John St. $400,000. Noted March 30.

Wis., Milwaukee—Apartment—May 15, by M. Tullgren & Sons, archts., 425 East Water St., 3 story, 82 x 160 ft., brick and concrete, plain foundation, Hathway Pl., for O. Brackman, 425 East Water St. $150,000. Noted March 30.

Ia., Davenport—Schools—May 13, by Bd. Educ., two 2 story, rein.-con., brick tile and stone additions, one to school on South Ave. near Arlington, other to Bismarck St. School. $250,000. A. H. Ebeling, 818 Kahl Bldg., archt. Noted Feb. 2.

Neb., Scottsbluff—School—June 1, by W. O. French, secy. Bd. Educ., 3 story, 198 x 343 ft., rein.-con. and brick, plain foundation, Bway. $300,000. R. A. Bradley & Co., Scottsbluff, archt. Noted March 2.

Ark., Jonesboro—Hospital—June 1, by H. J. Kramer, archt., 632 Goodwyn Institute, Memphis, Tenn., 3 story, 48 x 128 ft., rein.-con. and brick, for St. Bernards Hospital, here. $150,000.

Col., Steamboat Springs—Court House—May 16, by R. K. Fuller, archt., Foster Bldg., Denver, 3 story, 60 x 118 ft., rein.-con., terra cotta and stone, plain foundation, for Routt Co. $150,000.

Cal., Stockton—School—May 12, by Bd. Educ., 2 story, brick and concrete. $150,000 Losekann & Clowdsley, Elks Bldg., archts. Davis-Hellar-Pearce Co., Delta Bldg., supervising archts.

BIDS RECEIVED

Va., Suffolk—High School—Bd. Educ., 3 story, rein.-con., brick, stone and steel, plain foundation, (a) original design, (b) alternate design, from Cunningham & Melson, Hampton, (a) $143,500, (b) $146,800; A. C. Curtis, Dendron, (a) $146,000, (b) $146,160; Gooch-Williams & Co., Haddington Bldg., Norfolk, (a) $155,794, (b) $158,762. Noted April 20.

Wis., Lancaster—Municipal, etc.—Municipal Bldg. Com. opened bids April 25, 2 story, 60 x 100 ft., rein.-con., steel and brick, plain foundation, from L. S. Wagner & Son, Monroe, $78,200; J. P. Cullen & Sons, Hayes Blk., Janesville, $82,000; Hayes & Langdon, Hayes Blk., Janesville, $86,000. Noted April 6.

Kan., Rosedale—Memorial Hospital—State Hospital Bd., Topeka, Bell Memorial Hospital, 4 story, 148 x 164 ft., rein.-con., brick and stone, here, from Pratt-Thompson Constr. Co., 500 Republic Bldg., Kansas City, Mo., $282,000.

Cal., Long Beach—School—Bd. Educ., one 2 story and two 1 story buildings, Orange Ave. near 5th St., from J. C. Bannister, 903 North Mariposa St., Los Angeles, $177,955; Beswick & Sons, Los Angeles $179,200; W. G. Reed, Los Angeles, $181,698.

Cal., Manteca—Schools—Manteca Union High School Dist., three 1 story, rein.-con. and brick, general contract from Brown & Stafford, Madera, $125,295, Shepherd & Riley, Yosemite Bldg., Stockton, $129,549, mechanical equipment from Latourrette-Fiscal Co., 2761 Sacramento Blvd., Sacramento, $38,000, E. L. Gnekow, 647 East Main St., Stockton, $40,987. Noted April 6.

Cal., San Francisco—Home—Emanu-El Sisterhood, c/o J. Morgan, archt., Merchants Exch Bldg., 3 and 5 story, rein.-con. and brick, Laguna and Page Sts., from Barrett and Hilp, 918 Harrison St., $137,199. Noted April 13.

CONTRACTS AWARDED

Mass., Brighton (Boston P. O.)—Apartment—I. Shapiro, 110 Warren St., will build 4 story, brick, stone and steel, plain foundation, Elko St., by day labor, $350,000. Silverman, Brown & Helnan, 51 Cornhill, Boston, archts.

Mass., Chicopee Falls — Church — St. Joachim Roman Catholic Church, 202 Main St., 1 story 60 x 164 ft. brick, steel and stone, plain foundation, Main, Belcher and Maple Sts., to D. A. Sullivan, Paradise Rd., Northampton. $150,000. Noted March 16.

Mass., Greenfield—High School—Building Com., 2 story, 179 x 242 ft. rein.-con., brick, stone and steel, plain foundation, Federal and Sanderson Sts., to L. B. Taylor, 318 Main St., Athol. $378,000. Noted March 2.

Mass., Hopedale—Community—Hopedale Community House, Inc., c/o Draper Corp., 2 story, 65 x 186 ft. brick and limestone to Casper Ranger Constr. Co., 20 Bond St., Holyoke. $150,000.

Mass., Norton—Library—Wheaton College 2 story, brick, stone and steel, college grounds, to E. A. Abbott Co., 3 Park St., Boston. $150,000.

Mass., Roxbury (Boston P. O.)—High School—School Dept., 1009 City Hall Annex, 2 story, 66 x 220 ft. brick and steel, Poplar St., to A. Piotti, 708 Dudley St., Boston. $239,708. Noted Oct. 20, under "Boston."

Mass., Southbridge—High School—School Bd., 2 story, 90 x 140 ft. rein.-con., brick and steel, plain foundation, Main and Pine Sts., to F. X. Laiberte & Sons, Beecher St. $150,000. Noted July 28.

R. I., Providence—Office, etc.—Narragansett Electric Light Co., 800 Turks Head Bldg., 4 story, 42 x 153 ft. office with 42 x 70 ft. wing, and 3 story, 101 x 223 ft. warehouse, brick, Melrose St., to F. T. Ley & Co., 24 Milk St., Boston. $500,000.

Conn., Bridgeport—Theatre—S. Z. Poli, 24 Church St., New Haven, will alter and build 3 story addition to Lyric Theatre, Main St. and Housatonic Ave., by day labor. $150,000. T. W. Lamb, 644 8th Ave., New York, archt.

Conn., Hartford — Hospital — Hartford Hospital, 20 Hudson St., 7 story, 50 x 160 ft. rein.-con., brick, steel and stone, plain foundation, Hudson St., to R. F. Jones Co., 36 Pearl St., $500,000. Noted March 23.

Conn., Thompsonville—Housing—Bigelow-Hartford Carpet Co., forty 2 story, brick, stone and stucco houses, plain foundations, Alden Ave., etc., to T. Savage & Sons, Grant Ave. $350,000.

Conn., Torrington—School—School Bd., Borough Hall, 2 story, brick and steel addition to Southwest Grammar School, South Main St., to F. W. Fuller, 79 Main St. $150,000.

Conn., Torrington—School and Convent—Sacred Heart Roman Catholic Church, 116 Grove St., 2 story, 100 x 120 ft. rein.-con., brick and steel, plain foundation, to J. L. Farley, 15 Farley Pl. Noted March 16.

N. Y., Amsterdam—School—Bd. Educ. general contract 2 story, brick, to Oscawana Bldg. Co., 101 Park Ave., New York, $207,670; heating and ventilating work, to M. J. Devine, Amsterdam, $36,986. Noted April 13.

N. Y., Brooklyn—Apartment—W. J. Mengel, 81 Fulton St., New York, will build brick, steel and stone, plain foundation, Ocean Ave. between Albermarle and Beverly Rds., here, by day labor. $300,000. Mengel & Larkin, 81 Fulton St., New York, archts. and engrs.

N. Y., Jamestown—Store and Office—N. O. and J. Johnson, c/o Anchor Furniture Co., 20 Holmes St., 3 story, 64 x 100 ft., rein.-con., brick and steel, Main St., to Warren Constr. Co., Gokey Bldg., $150,000.

N. Y., Jamestown—Theatre—Peterson & Woods, 313 North Main St., 3 story, 175 ft. wide, brick, marble and stone, Spring St., to Mullen, Guinnane & Ludwig, 303 North Main St. $550,000.

N. Y., Long Island City—Apartments—Queensboro Corp., 50 East 42nd St., 14 brick and stone, plain foundations, 28th St. and Roosevelt Ave., Jackson Heights, to Stone & Webster, 120 Bway., New York, $1,250,000.

N. Y., New York—Assembly Hall, etc.—State Hospital Comn., Albany, general contract for assembly hall and bakery building, at Manhattan State Hospital, Wards Island, here, to Acampora Bros. Builders, Inc., 39 Ward Ave., Mamaroneck, $199,748.

Buildings (Continued)

N. Y., New York—Bank—Greenwich Savings Bank, 246 6th Ave., 100 x 136 ft., brick and stone, plain foundation, Bway., 6th Ave. and 36th St., to M. Eidlitz, 41 East 42nd St., $350,000.

N. Y., New York—College—Manhattan College, 131st St. and Bway., brick, steel and stone addition, Spuyten Duyvil Parkway, to Nugent Constr. Co., Inc., 21 East 40th St. $1,000,000. Noted April 6.

Pa., Altoona—High School—Catholic Diocese, c/o J. J. McCort, 2 story, 65 x 104 ft. brick and steel, to J. E. Ivory & Son, Altoona, $150,000.

Pa., Phila.—Apartment—C. J. MacIlvain, Jr., Otis Bldg., 15 story, 48 x 190 ft. brick and steel, 18th St. and Rittenhouse Sq., to Metzger-Fisher & White, Otis Bldg., $6,000,000.

Pa., Phila.—Apartment—Penn Apartment Inc., 3904 Chestnut St., will build 10 story, 140 x 220 ft. hotel and 2 story, 35 x 108 ft. power house, brick and steel, plain foundation, 30th and Chestnut Sts., by day labor. $1,025,000.

Pa., Phila.—Church—Lady of Mt. Carmel Roman Catholic Church, 2319 3rd St., 1 story, 58 x 121 ft. brick, steel and stone, plain foundation, 3rd and Wolf Sts., to W. R. Dougherty, 1608 Sansom St., $200,000.

Pa., Phila.—Hotel—Locust & Juniper Realty Co., 667 North Broad St., 14 story, 100 x 150 ft. rein.-con., brick and steel, caisson foundation, Juniper and Locust Sts., to J. R. Wiggins & Co., Cherry and 18th Sts.

Pa., Phila.—Schools—Bd. Educ., 19th and Chestnut Sts., 3 story, 183 x 299 ft., 13th and Louden Sts., to P. H. Kelly Constr. Co., Terminal Annex Bldg., $623,750; 2 story, 200 x 280 ft. Kenmore Rd. and Landsdowne Ave., to Sinclair & Griggs, Medical Arts Bldg., $385,800. Noted April 13.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., 3 story, 182 x 290 ft. junior high school, 54th and Warrington Aves., to P. H. Kelly Constr. Co., Terminal Annex Bldg., $639,500. Noted April 13.

Pa., Phila.—School—Hoffman-Henon Co., archts., Finance Bldg., 3 story, 111 x 199 ft. brick, steel and stone, plain foundation, 45th and Wyalusing Aves., to Pierce-Henon Co., Juniper and Pine Sts., for Mother of Sorrows Roman Catholic Church, 48th and Lancaster Aves. $250,000. Noted April 13.

Pa., Phila.—Theatre—Cohocksink Amusement Co., c/o Neubauer & Supowitz, archts., 929 Chestnut St., 2 story, 70 x 129 ft. rein.-con., brick and steel, plain foundation, Germantown Ave. and Diamond St., to G. W. Stewart, 2123 Germantown Ave., $250,000.

Pa., St. Marys—School—Sacred Heart Congregation, general contract for 2 story school, to S. M. Stader, Erie, $123,400. Total $150,000.

D. C., Wash.—Hotel—New Willard Hotel, Pennsylvania Ave. and 14th St., N. W., repairs, to S. J. Prescott Co., 814 13th St., N. W., $200,000.

D. C., Wash.—School—Dist. Comrs., 8 room addition to Bell School, to H. D. Watts Co., Albee Bldg., (1) $119,415, alternate (a) deduct $1,100, alternate (b) add $130, alternate (c) deduct $210.

Va., Norfolk—Market—For 2 story, 100 x 300 ft., brick and stone, to Baker & Brinkley, Dickson Bldg., $312,005. Noted April 27.

N. C., High Point—Bank and Office—Commercial Natl. Bank, 8 story, 50 x 150 ft., brick and steel, to R. K. Stewart & Son, High Point, $400,000. Noted March 9.

N. C., Raleigh—Hotel—Capitol Constr. Co., 10 story, steel, granite, brick and terra cotta, Fayetteville and Davie Sts., to C. V. York, Citizens Bank Bldg., $800,000. Noted March 2.

N. C., Salisbury—Schools—Bd. Educ., 3 schools to L. S. Bradshaw, Salisbury, $92,000; 1 school to E. W. Wagoner, Salisbury, $33,000. Noted March 2.

Ga., Atlanta—Office and store—Massell Realty Co., Healey Bldg., will build 6 story, 70 x 146 ft., rein.-con., tile, terra cotta and marble rock foundation, Cain and Spring Sts., by day labor. $200,000. E. C. Seiz, Massell Bldg., archt.

Ky., Louisville—Apartment—Joseph & Joseph, 800 Francis Bldg., 4 story, 200 x 300 ft., rein.-con., steel and brick, concrete pile foundation, Willow and Baringer Ave., to C. A. Koerner, 318 East Burnett St., $500,000.

Ky., Louisville—Club and Office—Louisville Jockey Club, Churchill Downs, constructing club, office and barns, to H. L. Hancock, 709 Louisville Trust Bldg., $175,000.

Ky., Louisville—Office—See "Industrial Works."

Ky., Louisville—Store and Apartment—Joseph & Joseph, archts., 800 Francis Bldg., 3 story, 50 x 200 ft., rein.-con. and brick, concrete pile foundation, 3rd and Bloom Sts., to H. A. Doll, 623 Baxter St., for H. D. Brooks, 222-226 East Market St. $170,000. Noted Feb 16.

Ky., Louisville—Temple—R. D. Weakley, archt., 409 Crutcher and Starks Bldg., 5 story, 90 x 200 ft., 2nd and Market Sts., to C. H. Baker, 323 East Jacob St., for Union Labor Temple, Inc., 2nd and Market Sts. $300,000. Noted Nov. 3.

O., Centerburg—School—Bd. Educ., 2 story, 77 x 152 ft., brick and concrete, to Cormady Eng. Co., Marion, $89,892. Noted March 30.

O., East Cleveland (Cleveland, P. O.)—Apartment—I. Laufman, 666 East 92nd St., Cleveland, 4 story, 42 x 86 ft., brick and timber, plain foundation, 1810 Page Ave., here, to L. S. Kaufman, 476 East 112th St., Cleveland, $150,000.

Ind., Bloomington—College—Indiana University, 3 story, 75 x 185 ft. brick, limestone, tile and terra cotta, to Cornell Eng. Co., 2611 Cornell Ave., Indianapolis, $199,000.

Ill., Chicago—Hotel—H. C. Bach, 2647 Montrose Ave., 4 story, 65 x 100 ft., rein.-con., brick and steel, 826-30 Windsor St., to Smith Bros. Constr. Co., c/o P. Gerhardt, archt., 64 West Randolph St. $150,000.

Ill., Chicago—Theatre—Jones, Lenick & Schaefer, State and Van Buren Sts., 3 story, rein.-con., brick and steel, 17-27 West Madison St., to Van Etten Bros., 11055 South Michigan Ave. $1,500,000.

Wis., Beloit—Bank—Beloit State Bank 2 and 3 story, 75 x 150 ft., brick, rein.-con. and steel, plain foundation, to J. Schneiberg, 945 Bluff St. $150,000.

Wis., Madison—Administration, etc.—Memorial Hospital Assn., Capitol Bldg., general contract 3 story, 75 x 150 ft., rein.-con. brick and steel, plain foundation, administration building to J. P. Cullen Sons, Hayes Blk., Janesville, $84,400; employees building, to Willis & Deason, 330 Hayes Blk., Janesville. Noted April 13.

Wis., Two Rivers—Theatre—Rivoli Amusement Co., general contract 1 story, 65 x 120 ft., brick and rein.-con., plain foundation, Main St., to L. M. Hansen Co., 113 West Walnut St., Green Bay, $150,000. Contractor taking bids on all sub contracts.

Ia., Decorah—High School—Bd. Educ., 3 story, 80 x 140 ft., rein.-con., brick, tile and stone, to A. R. Coffeen, Decorah, $92,200. Noted March 30.

Minn., Minneapolis—Hospital—A. A. O. N. M. S. Bd. of Trustees, c/o O. M. Lanstrum, 802 Madison St., Helena, Mont., 1, 2 and 3 story, rein.-con., tile, stone and brick, East River Blvd. and Cecil St., to O. P. Bailey Co., 746 Builders Exch. Bldg., $234,866. Noted April 13.

Minn., New Ulm—Church and School—St. Marys Roman Catholic Parish, 2 story, 133 x 133 ft., rein.-con., brick, tile and stone, to J. B. Nelson & Son, Mankato, $71,989. Noted March 30.

Kan., Coffeyville—High School—Bd. Educ. 3 story, 135 x 195 ft., to L. B. Kink & Co., 1506 West Park St., Champaign, $231,800. Noted March 30.

Neb., Alliance—Schools—Bd. Educ., general contract 2 story, 90 x 169 ft., brick high school, to Olmquist Constr. Co., Central City, $140,129; 2 story, 45 x 66 ft., brick grade school, to Robertson Constr. Co., Richards Blk, Lincoln, $27,858. Noted March 23.

Tex., Abilene—Hospital—West Texas Baptist Memorial Sanitarium, 2 story, brick and stone, to Walsh & Burney Calcasieu Bldg., San Antonio, $115,575. Total cost building when completed $400,000.

Tex., San Antonio—Temple—Masonic Lodge, Masonic Temple, will build 2 story, 150 x 200 ft., rein.-con., terra cotta and brick, Ave. E and 4th Sts., by day labor under supervision R. H. Cameron, archt., 116 Central Trust Bldg. $1,000,000.

Cal., Chico—Hotel and Cottages—L. Richardson, Richardson Springs, will build 5 story, rein.-con. hotel and several frame cottages, at Richardson Springs, near here, by day labor. $150,000. C. N. Burrell, 1st Savings Bank Bldg., Oakland, archt.

Cal., Decoto—Home—Masonic Home of California, c/o W. Mooser and E. G. Bolles, archts., Nevada Bank Bldg., San Francisco, constructing first unit, enlargement to home, excavating, concrete, carpentry, roofing and ornamental iron to Lawton & Vezey, Call Bldg., San Francisco; brick, stone steel work, etc., to H. N. Larsen, Monadnock Bldg., San Francisco; sheet metal work to O. Krenz Copper and Brass Wks., 626 Bryant St., San Francisco, plumbing, heating and electric work to O. Kurtz, 445 Stevenson St., San Francisco. Total $382,648. Noted March 16.

Cal., Dinuba—Theatre, etc.—J. F. Williams, 3 story theatre, store and apartment or office buildings, brick, North L St., to M. Fisher, 687 Mission St., San Francisco, $150,000. J. W. Asher, c/o Strand Theatre, San Francisco, lessee.

Cal., Grass Valley—High School—Grass Valley High School Dist., general contract 2 story, to H. S. Williams, 185 Stevenson St., San Francisco, (revised figure), $79,724. Noted March 30.

Cal., Los Angeles—School—Bd. Educ., 2 story, 141 x 223 ft., 45th St. and McKinley Ave., to J. F. Atkinson, 1102 Story Bldg., $177,500. Noted April 20.

Cal., Oakland—High School—Oakland City School Dist., constructing 2 and 3 story, general contract to R. W. Littlefield, 357 12th St., $353,800; heating and plumbing to C. T. Doell, 467 21st St., $36,309 and $25,787 respectively; plastering to T. D. Sexton, 864 Mandana St., $28,367; electrical work to M. E. Ryan, Clunie Bldg., San Francisco, $41,274. Noted March 30.

Cal., San Francisco—Apartment and Store—J. Duvaras, c/o H. Shermund, archt., Hearst Bldg., 5 story, 80 x 100 ft. rein.-con., 8th Ave. and Fulton St., to W. S. King, 135 Webster St., $150,000.

Ont., Hamilton—Temple—Mason's Assn., Masonic Hall, 4 story, 90 x 155 ft. brick, steel and stone, King St., to W. H. Cooper, Clyde Bldg., $150,000.

Argentine, Buenos Aires—Office—All America Cables Co., 59 Broad St., New York, 2 story, brick, steel and stone, plain foundation, to Stone & Webster, 120 Bway., New York. $200,000.

In April

We published 77 tips on new Federal Government work:

Proposed work	13
Bids desired	35
Bids received	12
Contracts awarded	17

Opportunities—every week—here.

Federal Government Work

PROPOSED WORK

Mass., Watertown—Repairs—War Dept., Constr. Div., plans repairs to press shop roof at Arsenal, here.

Pa., Phila.—Repairs—Spec. 4625—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairs to Marine Barracks 2, here.

Pa., Phila.—Underpinning Storehouse—Spec. 4628—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans underpinning air craft storehouse, here.

Md., Annapolis—Seawall—Spec. 4621—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans seawall, here.

D. C., Wash.—Repairs—Spec. 4623—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairs to Marine Barracks and Officers Quarters, here.

Virginia—Dredging—U. S. Government having surveys made to determine advisability of deepening eastern and southern branches of Elizabeth River, near Norfolk. J. C. Oakes, Custom House, Norfolk, ch. engr. Virginia Dist.

Va., Ft. Myer—Repairs—War Dept., Constr. Div., plans repairs to roads, here.

Va., Hampton Roads—Heating Plant—Spec. 4629—Bureau Yards & Docks, Navy dept., Wash., D. C., plans heating plant, here.

Va., Langley Field—Hangars—War Dept., Constr. Div., plans 2 hangars, here.

Va., Langley Field—Quarters—War Dept., Constr. Div., plans 2 sets of officers quarters, here.

Fla., Pensacola—Wells—Spec. 4626—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans new wells for water supply, here.

Tex., Brooks Field—Mooring Mast—War Dept., Constr. Div., plans mooring mast, here.

Tex., Ft. Bliss—Equipment—War Dept., Constr. Div., plans addition X-ray facilities at William Beaumont General Hospital, here.

Federal Government Work (Continued)

Tex., Ft. Bliss—Repairs—War Dept., Constr. Div., plans repairs to Ward Buildings 6a, 7a, 8a, water tank 95, and shingle roofs on various buildings, at William Beaumont General Hospital, here.

Tex., Ft. Sam Houston—Alterations—War Dept., Constr. Div., plans alterations to Wards 48 and 49, here.

Wash., Puget Sound — Roofing — Spec. 4630—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to operators' and 166, here.

California—Roads—C. H. Sweetzer, dist. engr. Bureau Pub. Rds., Dept. Agriculture, 881 Mills Bldg., San Francisco, making plans grading 5 mi. road toward Big Bear Lake, Big Bear Valley, Los Angeles Natl. Forest, Los Angeles Co.; 3 mi. road in Salmon River Natl. Forest, Siskiyou Co. $180,000 and $100,000 respectively.

Cal., Mare Island—Quarters—Spec. 4632—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio quarters, here.

Cal., Presidio (San Francisco P. O.)—Extension to School—War Dept., Constr. Div., plans extension to motor transport school, here.

Cal., San Diego—Dolphins, etc.—Spec. 4624—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans mooring dolphins and timber pier at destroyer base, here.

H. T., Oahu—Hangars—War Dept., Constr. Div., plans 6 steel hangars at coast defenses, here.

BIDS DESIRED

Conn., New Britain—Shaft, etc.—May 9, Treas. Dept., Wash., D. C., shaft and enclosure for lift, in U. S. Post Office, here.

N. Y., Buffalo—Remodeling, etc.—May 29, by Treas. Dept., Wash., D. C., remodeling and repairing U. S. Customhouse and Post Office, here; adv. this issue.

N. Y., Buffalo—Removal of Wreck—May 15, U. S. Engineer, Buffalo, removing wreck of steamer James H. Shrigley, from Lake Ontario near Charlotte Harbor; adv. this issue.

N. Y., Ft. H. G. Wright—Intake Pipe—May 16, by Constructing Quartermaster, new intake pipe for high pressure pumps, here.

N. Y., Jamestown—Extension to Workroom, etc.—May 22 by Treas. Dept., Wash., D. C., extension to workroom and mailing vestibule, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

D. C., Wash.—Basement Passage—May 16, by Treas. Dept., Wash. D. C., basement passage between north and south buildings of Hygienic Laboratory. J. A. Wetmore, acting superv. archt.

In April

We published 201 *tips on miscellaneous subjects—park and harbor improvements, equipment, materials, heating and ventilating apparatus, etc., as follows:*

Proposed work	49
Bids desired	73
Bids received	15
Contracts awarded	64

All kinds of opportunities—are you making the most of them?

D. C., Wash.—Extension to Workroom—May 16, by Treas. Dept., Wash., D. C., extension to workroom at U. S. Custom House. J. A. Wetmore, acting superv. archt.

Va., Norfolk—Removal of Wreck—May 16, by U. S. Engineer, removal of wreck, sunk in Hampton Roads; adv. this issue.

Ala., Montgomery—Wreck Removal—May 25, by U. S. Engineer, Room 904, Bell Bldg., removing wreck of U. S. Battleship Massachusetts, from entrance to Pensacola Harbor, Fla.; adv. this issue.

Miss., Gulfport—Mechanical Equipment—May 18, by Treas. Dept., Wash., D. C., mechanical equipment of boiler house and outside services, at U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.

Tex., Ft. Bliss—Quarters—May 25, by Constructing Quartermaster, 3 field officers quarters and 2 non-commissioned officers quarters, at William Beaumont General Hospital, here; adv. this issue.

PRESSURE TUNNEL AND TERMINAL CHAMBER—JERSEY CITY, N. J.

Bids were opened by Passaic Valley Sewerage Comrs., Newark, Apr. 18, for continuation and completion of Sect. 2 of outfall pressure tunnel and terminal chamber beneath portion of New York Bay and Jersey City, from (A) Holbrook, Cabot & Rollins Corp., 52 Vanderbilt Ave., New York City; (B) P. McGovern, Inc., 50 East 42d St., New York City; (C) Coleman Bros., Inc., Boston, Mass.; (D) Bruno & Petitti, Boston, Mass. The unit bids were as follows:

	A	B	C	D
Excavation for Terminal Chamber and Robbins Reef Shaft, including material for and construction of coffer-dam, and all appurtenant work (lump sum)	$175,000 00	$240,000 00	$325,000 00	$200,000 00
1,000 lin.ft. excavation in tunnel, for 144-in. sewer, by compressed air methods	187 50	266 00	295 00	325 00
5,500 cu.yd. concrete masonry in Terminal Chamber, Robbins Reef Shaft and Outfall Tunnel between Station 0 and 10	17 00	22 50	30 00	25 00
1,200 cu.yd. boulder concrete in Terminal Chamber	9 00	19 00	20 00	20 00
400 cu.yd. granite masonry facing for Terminal chamber	50 00	70 00	100 00	100 00
6,500 long tons rip rap about Terminal Chamber	2 50	3 00	4 00	6 00
160,000 lbs. cast iron floor plates, wall castings, pipe specials, etc.	0 06	0 12	0 15	0 15
Gate valves: two sets of 66 in., with geared stands, etc., and five 4-in. gate valves, complete (lump sum)	7,500 00	10,150 00	15,000 00	20,000 00
60,000 lbs. steel reinforcement for concrete	0 05	0 04	0 05	0 10
300 cu.yd. excavation within coffer-dam below elevation 66 and all appurtenant work and expense	5 00	5 00	7 00	15 00
1,000 lin.ft. timber piles	1 50	0 50	0 60	5 00
4,940 lin.ft. excavation in tunnel, for 144-in. sewer, by compressed air methods, including all permanent and temporary shafts	235 00	240 00	250 00	325.00
15,200 cu.yd. concrete masonry in tunnel and shafts	20 00	27 50	30 00	25.00
150 cu.yd. rock trimming of existing tunnel heading	40 00	15 60	20 00	50.00
1,500 cu.yd. removing sand, stone, timber, debris, etc., from existing sewer and tunnel headings	15 00	8 10	10 00	15.00
5,000 sq.yd. trimming, caulking and tightening existing concrete sewer	3 00	2 25	3 00	3.00
3,500 lin.ft. cement wash applied to existing concrete sewer lining	2 50	7 60	8 00	2.00
73 lin.ft. removing existing tunnel timbering, raising, heading and retimbering, etc.	125 00	60 00	75 00	100 00
600 grout pipes	3 50	1 50	2 00	5 00
8,000 bbls. cement portland cement grout	4 50	5 50	6 00	6 00
1,000 cu.yd. dry rock packing	6 00	3 50	5 00	10 00
50 lin.ft. removing and raising the sewer arch and sidewalls	125 00	47 00	60 00	200 00
5,000 lbs. steel for reinforcement	0 05	0 04	0 05	0 10
Removing four existing concrete bulkheads, dewatering sewer, installation of vent piping, etc. (lump sum)	14,000 00	12,136 00	20,000 00	10,000 00
Dismantling, transporting and storing abandoned plant and equipment (lump sum)	7,500 00	9,800 00	15,000 00	10,000 00
Extended totals	$2,124,525	$2,467,006	$2,769,625	$2,961,300

Tex., Point Isabel—Dwelling, etc.—May 31, by Treas. Dept., at U. S. Coast Guard Headquarters, Darby Bldg., Wash., D. C., dwelling and accessories at Coast Guard Station 222, here; adv. this issue.

BIDS RECEIVED

Mass., South Boston (Boston P. O.)—Substation, etc.—Spec. 4550—Bureau Yards & Docks, Navy Dept., Wash., D. C., substation, distribution system and First Aid Station, at Naval Dry Dock, here, (1) work complete from **F. T. Ley & Co.**, 495 Main St., Springfield, (1) $99,690 (175 days); W. G. Cornell, 19 Patterson St., Wash., D. C., (1) $101,000, (3) $54,664; Carroll Electric Co., 714 12th St., Wash., D. C., (3) $53,490 (150 days). Noted April 6.

Mass., West Roxbury (Boston P. O.)—Recreation Building—Treas. Dept., Wash., D. C., recreation building, at U. S. Veterans Hospital 44, here, from **J. McDonald Constr. Co.**, 44 Bromfield St., Boston, $18,050; M. Seretto, 3 Tremont Row, Boston, $20,400; M. J. Fish & Son, 34 School St., Boston, $23,434. Noted April 13.

D. C., Wash.—Oil Storage Plants, etc.—Spec. 4607—Bureau Yards & Docks, Navy Dept., oil storage plant and steel water tank, etc., at Coco Solo, and oil tank, etc., at Balboa, Panama, (1) work complete, from Pittsburg Des Moines Steel Co., 806 Curry Bldg., Pittsburgh, Pa., (1) $107,890 (180 days), (2) $78,300 (180 days), (3) $31,787 (120 days); D. Zane, 232 Bway., New York, (1) $119,819 (180 days), (2) $89,777 (180 days), (3) $37,475 (180 days); Newport Contg. & Eng. Co., Silsbury Rd., Newport News, Va., (1) $124,000 (200 days). Noted April 13.

Va., Hampton Roads—Fuel Oil Storage—Spec. 4590—Bureau Yards & Docks, Navy Dept., Wash., D. C., fuel oil storage at Naval Operating Base, here, (1) work complete, from J. R. Proctor, Inc., 120 Liberty St., New York, $82,488 (120 days); H. E. Crook Co., 28 Light St., Baltimore, Md., (1) $94,300 (120 days); A. Pope, 4722 15th St., N. W., Wash., D. C., (1) $95,900 (120 days), (2) $116,700 (120 days); W. G. Cornell Co., 19 Patterson St., Wash., D. C., (3) $94,177. Noted April 13.

Cal., San Diego—Alterations—Spec. 4593—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to operators' quarters at Chellas Heights, here, from G. E. Wright, Monadnock Bldg., Chicago, $7,690 (60 days). Noted April 20.

Cal., San Diego—Lighting System—Spec. 4614—Bureau Yards & Docks, Navy Dept., Wash., D. C., street lighting system, at Naval Hospital, here, from W. A. McNally & Co., 106 West Colorado St., Pasadena, (1) $4,790 (60 days); Newbery Electric Corp., 724 Olive St., Los Angeles, $6,258 (60 days); G. E. Eng. Co., 449 West 42nd St., New York, $6,460 (75 days). Noted April 27.

CONTRACTS AWARDED

N. Y., Amagansett—Radio Quarters—Spec. 4536—Bureau Yards & Docks, Navy Dept., Wash., D. C., quarters and barracks at Naval Radio Station, here, to Pearce Bros., 220 West 42nd St., New York, $19,784 (100 days). Noted April 27.

N. Y., New York—Remodeling—Spec. 4598—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling Building 515 at Marine Barracks, here, to A. J. Klein Co., Inc., 199 West 58th St., New York, $2,731 (30 days). Noted March 9.

N. Y., New York—Storage Shed—Spec. 4589—Bureau Yards & Docks, Navy Dept., Wash., D. C., storage shed on Pier H, here, to W. F. Martens, 112 Cutler Bldg., Rochester, $15,178 (130 days). Noted April 27.

N. Y., Pelham Bay—Park Restoration—Spec. 4588—Bureau Yards & Docks, Navy Dept., Wash., D. C., restoration of park at U. S. Camp here, to Fleming & Sheppard, 401 West 59th St., New York, $57,034. Noted April 13.

Pa., Phila. — Quarters — War Dept., Constr. Div., 2 sets of double quarters for officers and 1 set double quarters for non-commissioned officers, at Frankford Arsenal, here, to C. H. Dading, Bellevue Ct. Bldg., $41,900.

Wash., Puget Sound—Extenson—Spec. 4577—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to Building 368, here, to C. F. Martin, Seaboard Bldg., Seattle, $60,313 (179 days). Noted April 20.

Cal., San Diego—Roads and Walks—Spec. 4606—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks at hospital, here, to G. W. Cushing, 2005 Roosevelt Ave., Richmond, $34,063. Noted April 27.

FEDERAL POWER COMMISSION
Applications for Licenses and Permits
Applications

284—Mokelumne River Power & Water Co., c/o I. S. Foorman, pres., 10 San Mateo Ave., San Mateo, Cal.—Wants preliminary permit to divert waters of Middle Fork of Mokelumne River to reservoir at headwaters of North Fork of Calaveras River. Project incl. diversion dam 2 mi. below

Federal Government Work (Continued)

reservoir and another on South Fork of Mokelumne River, also 65 mi. canal.

285—St. Cloud Pub. Serv. Co., St. Cloud, Minn.—Wants preliminary permit for dam and power house at Rigby Site, near Clearwater.

286—Maxfield Earnheart, Maxfield & Ward, c/o J. P. Ward, Batesville, Ark.—Wants preliminary permit to develop power at U. S. Government Dam 2, in White River, near Batesville.

287—State of Illinois, c/o Superintendent Div. of Waterways, Kimball Bldg., 25 East Jackson Blvd., Chicago—Wants preliminary permit for dam and power house in Fox River, near Dayton.

288—Grants Pass Irrigation Dist., Grants Pass, Ore.—Wants license for diversion dam in Rogue River, above here, for irrigation purposes and to develop power to pump water to high line canal.

289—Louisville Gas and Electric Co., Louisville, Ky.—Wants preliminary permit to develop power at Dam 41, in Ohio River.

290—J. H. Mays, 749 Elizabeth St., and H. L. Grandy, Salt Lake City, Utah—Want preliminary permit for diversion dam, conduit and power house on Huntington Creek, Emery Co.

291—Great Western Power Co., 14 Sansome St., San Francisco, Cal.—Wants preliminary permit to divert Bucks, Pine, Rock, North Valley, Little Kinshew and Crane Valley Creeks to power house on North Fork of Feather River.

292—California Oregon Power Co., 507 Montgomery St., San Francisco, Cal.—Wants license for transmission line crossing 3 tracts of public lands in Shasta Co.

Miscellaneous

PROPOSED WORK

Transmission Line—Binghamton, N. Y.—Binghamton Light, Heat & Power Co., 172 Washington St., having plans prepared by Hoadley & Giles, engrs., Phelps Bldg., high tension transmission line extensions. $200,000.

Sprinkler Systems—Watertown, N. Y.—Bd. Educ. plans to install fire protection automatic sprinkler systems in all schools. $80,000-$100,000. Address F. S. Tisdale, supt.

Retaining Walls, etc.—Erie, Pa.—Having plans prepared for retaining walls, draining and grading, etc., in connection with Cherry St. subway. $74,200, sidewalks on east and west side of subway, $4,020, pavement and curbs $15,264, low tension conduit system in Cherry St. subway $8,500. F. G. Lynch, city engr. Noted April 20.

Subway—Erie, Pa.—City, Erie Co. and Pennsylvania R.R., plan subway on 12th St. $141,000. F. G. Lynch, city engr. A. C. Shand, Broad St. Sta., Phila., ch. engr. of railroad.

Swimming Pool and Lockers—Phila., Pa.—Soon opens bids 1 story, 60 x 95 ft. brick, steel and stone swimming pool and lockers. $75,000. P. B. Sinkler, 1216 Chestnut St., engr.

Underground and Aerial Cables—Greensboro, N. C.—Southern Bell Telephone Co. plans improvement to its system including underground and aerial cables in Latham, Westerwood and West Market sections of city. $68,000. W. E. Little, Greensboro, dist. mgr.

Hydro-Electric Development—Lenoir, N. C.—Kistler & Milner, Morgantown, plan hydro-electric development on Wilsons Creek, near here, including 17,000 ft. tunnel, 8 x 8 ft. section, wooden flumes, etc., about 2,700 h.p. $100,000.

Gravel Pit Equipment—Slinger, Wis.—Consolidated Materials Co., c/o A. A. Grau, 716 25th St., Milwaukee, plans to install crusher, conveyor, washing plant and erect necessary bins for recently acquired pit.

Stadium—Lincoln, Neb.—Alumni Assn. of University of Nebraska plans rein.-con. and steel athletic stadium, 5,000 or 6,000 seats. $300,000. H. F. Holtz, secy.

Park—Lyons, Neb.—Park. Dept. having plans prepared for park including swimming pool and public bath house. $25,000. M. L. Shumway, park comr. E. Hermanghaus, 510 Bankers Life Bldg., Lincoln, archt.

Gas Line—Wister, Okla.—Village plans 8 mi. of 3 in. gas lines from here to Poteau. P. S. Stephens, pres. Bd. Trustees.

Paving Plant—San Diego, Cal.—Plans to vote on $60,000 bonds to erect and equip paving plant. F. A. Rhodes, city mgr.

Playgrounds—San Francisco, Cal.—City and San Francisco Co. plan to expend $216,200 to purchase and equip playgrounds. Funds will be used as follows: Ocean View Park, $30,000; Ocean View Playground, $50,000; University Mound Playground, $60,000; Mission Playground, $50,000; Funston Playground, $25,000; James Rolph Playground, $1,200. Modern equipment will be installed in playgrounds including construction of swimming pools. M. M. O'Shaughnessy, City Hall, engr.

Concrete Culverts—San Luis Obispo, Cal.—See "Sewers."

Drilling—Tilbury, Ont.—W. Coste & Co., Ltd., Niagara Falls, plans drilling for gas here. $35,000. Prices wanted on equipment.

BIDS DESIRED

Grain Handling System—Portland, Me.—May 19 by Dirs. Port of Portland, 67 Commercial St., furnishing and installing grain handling system, near State Pier. H. F. Merrill, pres.; adv. this issue.

Broken Stone, etc.—Brooklyn, N. Y.—May 10, by E. Riegelmann, boro pres., Boro. Hall, furnishing and delivering 1,000 cu. yd. 2½ in. and 3,000 cu. yd. 1½ in. broken stone and 1,500 cu. yd. broken stone screenings.

Heating Work, etc.—Hudson, N. Y.—May 12, by W. L. Visscher, pres. Bd. Mgrs. New York State Training School for Girls, heating work and replacing underground steam and water mains at New York State Training School. L. F. Pilcher, state archt.; adv. this issue.

Track Materials—New York, N. Y.—May 15, by Transit Comn., 49 Lafayette St., supplying track materials (Order No. 5); special work for use in construction of parts of 14th St.—Eastern and Bway.—4th Ave. Rapid Transit R.Rs. (Order No. 21); inspection shed enclosure for White Plains Rd. Rapid Transit R. R.; signal tower incl. compressor room, in Livonia Ave. Yard, Eastern Parkway Line, Brooklyn Boro, Agreement "BN"; reconstructing part of Queensboro Subway Rapid Transit R. R., Queens Boro. G. McAneny, chn.

Boardwalk — Rockaway Park (Far Rockaway, P. O.) N. Y.—May 11, by Park Bd. at office of Dept. Parks, Municipal Bldg., New York, rein.-con. raised walk, on beach, here, 410,000 ft. creosoted yellow pine, 143,000 sq. ft. yellow pine or Douglas fir dressed timber flooring, etc.

Flusher-Sweeper—Syracuse, N. Y.—Bd. Pub. Wks. taking bids for motor driven flusher-sweeper. G. E. Scherrer, comr.

Vitrified Brick—Orlando, Fla.—Receiving bids 2,300,000 vitr. brick. G. R. Ramsey, city engr.

Steam Roller—Tallahassee, Fla.—State Rd. Dept. receiving bids for steam roller. $25,000. W. F. Cocke, state road engr.

Oil Engines, etc.—Elmhurst, Ill.—May 15, for oil engines and compressors generator, pump, etc. F. N. Newmann, clk.; adv. this issue.

Gravel Pit Machinery and Equipment—Binghampton, Wis.—Appleton Sand & Gravel Co., Appleton, taking bids machinery and equipment, conveyors, etc., for gravel pit, here. Private plans.

Cement—Turlock, Cal.—May 16, by Dirs. Turlock and Modesto Irrigation Dists., furnishing and delivering from 50,000 to 100,000 bbl. portland cement, f.o.b. factory, for use on Don Pedro Storage Project. P. Jones, ch. engr. for Modesto Dist. R. V. Meikle, ch. eng. for Turlock Dist.

Docks and Approaches—Nova Scotia—May 14, by Highway Bd., Halifax, steam ferry service across Strait of Causo, incl. docks and approaches.

Granite Blocks, Road Oil, etc.—Montreal, Que.—May 8, by Executive Com., 100,000 granite blocks, 4-5 in. x 7-12 in. in length, 150,000 gal. road oil, 30,000 tons asphalt sand. H. A. Tetreault, dir. pub. wks.

Pumps, Pile Driver, etc.—Lindsay, Ont.—Victoria Co. receiving bids pile driver, rotary pump, diaphram trench pump, centrifugal pump, concrete mixer, 12 steel road drags, 1 plow, 6 dump wagons, 4 wheel scrapers, 6 drag scrapers and tar kettle. E. L. Miles, County Bldg., engr.

Conduit, etc.—Ottawa, Ont.—May 12, by Ottawa Hydro-Electric Comn., 109 Bank St., 46,354 ft. fibre conduit, 7,400 lb. I beams, 26,310 lb. c.i. manhole covers. $25,000. J. E. Brown, genl. mgr.

Motor Flusher and Mixer—Ottawa, Ont.—May 9, by Bd. Control, one 1,000 imp. gal. motor flusher, one ½ yd. paving concrete mixer, and one ½ yd. sidewalk concrete mixer. A. F. Macallum, city engr.

BIDS RECEIVED

Pier, etc.—Brooklyn, N. Y.—Comr. Docks & Ferries, Pier "A" North River, New York, opened bids May 1, (1) extending pier, (2) constructing dumping board between 51st and 52nd Sts., South Brooklyn, here, from A. N. Spooner & Son, Inc., Pier 11, North River, New York, (1) $24,728, (2) $18,588, total $43,316; Anderson & Wheeler, Inc., (1) $27,569, (2) $16,542. Total $44,111; Riverside Contg. Co., 164 Montague St., Brooklyn, (1) $31,364, (2) $13,451, total $44,815. Noted April 27.

Road Oil, etc.—St. Paul, Minn.—For (a) 750,000 gal. (more or less) road oil for Dept. Pub. Wks., (b) 20,000 gal. for Dept. Parks, Playgrounds and Pub. Bldgs., from Johnson Oil Refining Co., Chicago, (a) $0.0585 per gal.; Camden Petroleum Co., 208 South LaSalle St., Chicago, (a) $0.059, (b) $0.0725; Eagle Oil Co., Newton Bldg., St. Paul, (a) $0.06125; Cities Service Oil Co., Hamm Bldg., St. Paul, (a and b) $0.06375. Noted April 6.

CONTRACTS AWARDED

Crushed Stone and Sand—Bridgeport, Conn.—Bd. Contract & Supply, furnishing and delivering 40,000 cu.yd. crushed stone, to New Haven Trap Rock Co., 69 Church St., New Haven, $2.55 per cu.yd.; 2,500 cu.yd. sand, to Leverty & Hurley, 1374 Wood Ave., $1.20 per cu.yd.

Road Oil—Hartford, Conn.—Bd. Contract & Supply, furnishing and delivering 400,000 gallons road oil 45% asphaltic base, and 50,000 gal. 65% asphaltic base, to Texas Co., 17 Battery Pl., New York.

Foundation — Waterbury, Conn.—Connecticut Light & Power Co., Lakeville St., will build foundation for 4 story, 60 x 135 ft. garage, Freight St., by day labor. $25,000.

Asphalt Road Oil, etc.—Brooklyn, N. Y.—E. Riegelmann, boro. pres., Boro. Hall, furnishing and delivering 200,000 gal. asphalt road oil, to Texas Co., 17 Battery Pl., New York, $0.0429 per gal.; 150,000 gal. tar road oil surfacing material, to Barrett Co., 40 Rector St., New York, $0.0929. Noted April 27.

Street Sweeping Machine—Jamestown, N. Y.—Furnishing motor driven street sweeping machine, to Austin Motor Co., 40 North Laramie St., Chicago, $6,000. Noted March 2.

Miscellaneous Construction, etc.—New York, N. Y.—Rapid Transit Comn., 49 Lafayette St., miscellaneous construction and station finish, Agreement "AU," to Vulcan Rail & Constr. Co., Grand St., Brooklyn, $10,090. Noted April 20.

Miscellaneous Construction, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., miscellaneous construction and station finish, Agreement "BH," to G. Colon & Co., 81 East 125th St., $12,584. Noted April 13.

Pier—Phila., Pa.—G. F. Sproule, dir. Dept. Wharves, Docks & Ferries, 550 Rourse Bldg., superstructure of Girard St. Pier 3 and substructure and superstructure of Girard St. Pier 5, North Delaware River, to Triest Contg. Co., Penna Bldg., $1,959,798. Noted April 27.

Foundation—Milwaukee, Wis.—See "Excavation and Dredging."

Road Oil—Racine, Wis.—For 100,000 gal. road oil, to Lockwood Oil Co., 1421 Racine St. $0.05½.

Road Oil—Watertown, Wis.—For 200,000 gal. road oil, to Lockwood Oil Co., 1421 Racine St., Racine, $0.0575 per gal. Noted Feb. 2.

Road Oil—St. Paul, Minn.—Ramsey Co., 350,000 gal. road oil, to Standard Oil Co. of Indiana, 1937 4th St. S. E., Minneapolis, $0.0525 per gal. Noted March 30.

This Issue

Here in the first issue of May will be found

800 tips